



Forensic Biology Test No. 16-572 Summary Report

This proficiency test was sent to 786 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 694 participants (88% 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, yellow material (Item 3) and one on clean, tan material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2, and 4 were prepared from human whole blood which was drawn into citric acid preservative bloodbank bags. Item 3 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 3 substrate. Item 1 ($75\ \mu\text{l}$) was created using blood collected from a female donor, while Items 2 ($75\ \mu\text{l}$) and 4 ($50\ \mu\text{l}$) were created using blood collected from the same male donor. The Item 3 ($50\ \mu\text{l}$) stain contained blood from the Item 1 female donor and semen from a second male donor whose known sample was not provided. 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 March 8, 2016 following receipt of predistribution results.

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

VERIFICATION: Laboratories that conducted predistribution analysis of the samples reported consistent results and associations

Manufacturer's Information, continued

<i>Amelogenin and STR Results</i>						
Results compiled by predistribution laboratories and a consensus of at least 10 participants.						
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
	Penta D	Penta E	SE33	TH01	TPOX	vWA
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	17,18	8,8	10,11	17,18
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14	19,20	7,8	8,9	15,18
3-Blood	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	17,18	8,8	10,11	17,18
3-Semen	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12	19,19	6,7	8,11	16,19
4	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14	19,20	7,8	8,9	15,18

<i>YSTR Results</i>								
Results compiled from predistribution laboratories and a consensus of at least 10 participants.								
	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel	
2	14	14,21	12	28	27	11	11	13
	14	11	11	19	15	16	25	14
	14	19	15	25	11	11	2	
3-Semen	14	13,15	13	29	22	10	11	12
	15	9	11	21	15	16	23	11
	14	17	17	20	6	11	2	
4	14	14,21	12	28	27	11	11	13
	14	11	11	19	15	16	25	14
	14	19	15	25	11	11	2	

Manufacturer's Information, continued

Mitochondrial DNA Sequencing Results

The nucleotide ranges provided below represent the range tested by a minimum of 75% of participants.

<u>Item</u>	<u>HVR-II</u>	<u>HVR-I</u>
1	51-399	16024-16386
2	52-399	16024-16385
3	49-369	16024-16391
4	52-371	16024-16385

The base deviations presented here are the consensus of results reported by at least ten participants. These results may not represent all base deviations reported by every participant due to the specific nucleotide ranges sequenced by individual participants.

Deviations HVR-II, HVR-I

	73.0	150.0	152.0	182.0	186.0	189.0	195.0	247.0	249.0	263.0	297.0	315.1	316.0	16172.0	16184.0	16187.0	16189.0	16223.0	16261.0	16278.0	16290.0	16311.0
ITEM 1	G	T	C	T	A	C	C	A/ Del	Del	G	G	C Ins	A	C	T	T	C	T	T	T	T	C

	73.0	150.0	189.0	200.0	263.0	309.1	315.1	16183.0	16189.0	16223.0	16260.0	16327.0
ITEM 2	G	T	G	G	G	C Ins	C Ins	C	C	T	T	T

	73.0	150.0	152.0	182.0	186.0	189.0	195.0	247.0	263.0	297.0	315.1	316.0	16172.0	16184.0	16187.0	16189.0	16223.0	16261.0	16278.0	16290.0	16311.0
ITEM 3	G	T	C	T	A	C	C	Del	G	G	C Ins	A	C	T	T	C	T	T	T	T	C

	73.0	150.0	189.0	200.0	263.0	309.1	315.1	16183.0	16189.0	16223.0	16260.0	16327.0
ITEM 4	G	T	G	G	G	C Ins	C Ins	C	C	T	T	T

Note: Two different reporting formats were reported at position 247 for Item 1. Approximately one-third of the participants reported "A" at position 247 while two-thirds of participants reported "Deletion" at this position. It was also noted that the participants that reported "A" at 247 also reported "Deletion" at position 249.

Summary Comments

The 16-572 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created with blood from a female donor. Items 2 and 4 were created with blood collected from a male donor. The Item 3 mixture contained the blood from the Item 1 female donor and semen from a third party male donor whose known blood standard was not provided to participants. (See Manufacturer's Information for preparation details)

Data were returned by a total of 694 participants, of these, 629 reported serology screening results, and 659 reported DNA results.

Screening Test Results:

For Item 3, all 619 participants that returned results for the presence of blood reported "Positive" (Pos). All 618 participants returning results for the presence of semen reported "Positive" (Pos). There were 192 participants that reported "Negative" (Neg) results for the presence of saliva and seven that reported "Inconclusive" (Inc).

For Item 4, all 620 participants that returned results for the presence of blood reported "Positive" (Pos). There were 612 participants returning results for the presence of semen that reported "Negative" (Neg), one that reported "Positive" (Pos), and one that reported "Inconclusive" (Inc). There were 189 participants that reported "Negative" (Neg) results for the presence of saliva and six that reported "Inconclusive" (Inc).

DNA Analysis Results:

Of the 659 participants reporting DNA data, 611 participants reported DNA interpretation results for the comparison of Item 3 against the victim's profile (Item 1) and 617 reported DNA interpretation results for Item 3 against the suspect's profile (Item 2). There were 620 participants that reported DNA interpretation results for Item 4 against both Items 1 and 2. There were 33 participants that stated they analyzed the samples for database purposes only, and the remaining six participants left this section blank.

For the Item 3 mixture, 594 participants included the victim (Item 1) as a possible contributor, three excluded her, fourteen were inconclusive and nine reported no conclusions. A total of 613 participants excluded the suspect (Item 2) as a possible contributor to this mixture, one included him, three were inconclusive and three reported no conclusions. For the Item 4 stain, all 620 participants excluded the victim (Item 1) and included the suspect (Item 2) as possible contributors to the stain.

For the Item 3 mixture, a number of additional alleles were reported. Two major reasons noted by participants for the extra alleles were: a). the use of STRMix software, and b). the additional sample processing including extract concentration, purification, and increased amplifications performed in order to obtain a DNA profile. A number of participants also reported partial profiles for the Item 3 mixture. It was noted by several participants that there was difficulty in obtaining a full profile from the yellow cloth, with several participants commenting on possible PCR inhibition from the cloth.

Participants reported additional alleles at one or more STR loci for Items 1, 2, and 4, as well as at the YSTR loci for Items 2 and 4. Some participants also reported a partial YSTR profile at DYS385 for Item 3. It was noted that two participants reported inconsistent alleles for two samples; one for Item 2 in STR data, and one for Item 4 in YSTR data.

For the Mitochondrial DNA results for Item 1, approximately one-third of the participants reported the polymorphism "A" at nucleotide position 247 while two-thirds reported a deletion at 247; it was also noted that participants that reported the "A" also reported a deletion at position 249. This reporting difference may represent a difference in laboratories' nomenclature policies.

Key for Screening Tests Used

Participants were asked to use, where possible, the following chart of abbreviated screening test names. This was not an all inclusive list and was not designed to determine what tests should be performed. Participants were advised that tests not on this list may be used for screening.

Test	Abbreviation
Acid Phosphatase	AP
Kastle Meyer	KM
Leucomalachite Green	LMG
Microscopic	Micro
Ortho-tolidine	O-tol
Phenolphthalein-Tetramethyl	PTMB
Prostate Specific Antigen	PSA
Quantiblot	QB
Quantifiler	QF
Tetramethyl benzidine	TMB

Serology Screening Results

Indicate the results of any screening tests performed on the questioned stains for body fluid identification and human origin determination.

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
23FU9N				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
24AF2E				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
2AUKP9				
Item 3	Pos KM, Takayama	Pos AP, Micro, PSA	Neg Phadebas, RSID-Saliva	Human Origin, Pos Plexor HY
Item 4	Pos KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas, RSID-Saliva	Human Origin, Pos Plexor HY, HemaTrace
2DXP8M				
Item 3	Pos Combur (TMB), KM	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos Combur (TMB), KM	Neg AP, PSA	Neg Phadebas	
2E3PZ3				
Item 3	Pos Hemastix	Pos AP		
Item 4	Pos Hemastix	Neg AP		
2E8XEG				
Item 3	Pos PTMB, TMB	Pos AP, Micro	Neg Phadebas	
Item 4	Pos PTMB, TMB	Neg AP	Neg Phadebas	
2H8RAH				
Item 3	Pos KM, TAK	Pos AP, Micro, p30	Inc Amylase Diffusion	
Item 4	Pos KM, TAK	Neg AP, Micro, p30	Inc Amylase Diffusion	
2J2D4A				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
2JXZ8Z				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
2KPFMX				
Item 3	Pos O-tol, HemaTrace	Pos ALS, AP, PSA, Micro	Neg Amylase Diffusion	
Item 4	Pos O-tol, HemaTrace	Neg ALS, AP, PSA, Micro	Neg Amylase Diffusion	
2L2XHT				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, p30	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro, p30	NT	
2M2NYA				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
2MWGJU				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT	
2P8QN9				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
2QH4BM				
Item 3	Pos KM, ABACard	Pos AP, PSA	Neg Phadebas	
Item 4	Pos KM, ABACard	Neg AP	Neg Phadebas	
2RQMAD				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	Neg Phadebus[sic]	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro, PSA	Neg Phadebus[sic]	
2RUTQT				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
2RY23L				
Item 3	Pos KM, Combur (TMB)	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, Combur (TMB)	Neg AP, PSA, Micro	Neg Phadebas	
2WJEBZ				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
2WN7DW				
Item 3	Pos ABACard HemaTrace	Pos ABACard p30, Micro, ALS	NT	
Item 4	Pos ABACard HemaTrace	Neg ABACard p30, Micro, ALS	NT	
2WR8DH				
Item 3	Pos KM, RSID Blood	Pos AP, Micro, PSA	Neg Phadebas	
Item 4	Pos O-tol, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
2XHWJB				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM	Neg ALS, AP, PSA	NT	
2XWJTD				
Item 3	Pos KM, OBTI	Pos ALS, AP, p30, Micro	Neg Phadebas	
Item 4	Pos KM, OBTI	Neg ALS, AP, p30, Micro	Neg Phadebas	
2Z6QZC				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM	Neg ALS, AP, PSA, Micro	NT	
32Y6DA				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP, Micro, PSA	NT	
342NZ4				
Item 3	Pos H-stix	Pos Brentamine	NT	Hair (visual inspection, no hair found/recovered)
Item 4	Pos H-stix	Neg Brentamine	NT	possible high friction hair Removed (visual inspection, no hair found/removed)

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
34XKKC				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
36CG4H				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, p30	NT	
3773WA				
Item 3	Pos KM	Pos AP, Micro		
Item 4	Pos KM	Neg AP		
3ABCXJ				
Item 3	Pos PHTH, O-tol, Red brown	Pos AP, Micro	NT	
Item 4	Pos PHTH, O-tol, Red brown	Neg AP, Micro	NT	
3AKXC7				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
3BGDMH				
Item 3	Pos O-tol	Pos PSA, AP	NT	
Item 4	Pos O-tol	Neg PSA, AP	NT	
3DAPLA				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
3FJQQF				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
3HFPWU				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
3LH799				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP	NT	
3MDVJG				
Item 3	Pos KM	Pos ALS, FBB, PSA	NT	
Item 4	Pos KM	Neg ALS, FBB, PSA	NT	
3MWQ2J				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
3NMY2				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
3QF34N				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg AP	Neg RSID	
3QXCU4				
Item 3	Pos O-tol	Pos AP, ALS, Micro, PSA	Neg Amylase	
Item 4	Pos O-tol	Neg AP, ALS, Micro, PSA	Neg Amylase	
3TNXJR				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
3UHKF4				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
3UV3AA				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
3UZNVG				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
3Z2D64				
Item 3	NT	NT	NT	Hair, Neg
Item 4	Pos Hemastix	Neg Brentamine	NT	High Friction, Pos; Hair, Neg
3Z4LC9				
Item 3	Pos PHT, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos PHT, HemaTrace	Neg ALS, AP	NT	
3ZEK7G				
Item 3	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Neg ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
42MEMW				
Item 3	Pos LMG, RSID-B	Pos AP, RSID-SE	Neg RSID-SA	
Item 4	Pos LMG, RSID-B	Neg AP, RSID-SE	Neg RSID-SA	
42T3AM				
Item 3	Pos KM	Pos AP, PSA, Micro	Neg Amylase Radial Diffusion	
Item 4	Pos KM	Neg AP, PSA, Micro	Neg Amylase Radial Diffusion	
43NQK7				
Item 3	Pos KM	Pos AP, Micro, PSA	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID	
44WFUN				
Item 3	Pos KM	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos KM	Neg AP, PSA	Neg RSID	
44X3X2				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
46C7UD				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
46UM39				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
47KE2D				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA, ALS	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, ALS	NT	
47ND72				
Item 3	Pos LMG	Pos AP, PSA	NT	
Item 4	Pos LMG	Neg AP, PSA	NT	
48487G				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
4CQMEF				
Item 3	Pos LMG, HemaTrace	Pos AP, PSA, Micro	Neg Amylase, Micro	
Item 4	Pos LMG, HemaTrace	Neg AP, PSA, Micro	Neg Amylase, Micro	
4D6H7U				
Item 3	Pos Luminol, KM, Takayama, HemDirect	Pos ALS, AP, Micro	Neg Amylase Diffusion	
Item 4	Pos Luminol, KM, Takayama,	Neg ALS, AP, Micro	Neg Amylase Diffusion	
4DMQWA				
Item 3	Pos TMB, HemaTrace	Pos AP, ALS, p30, Micro	NT	
Item 4	Pos TMB, HemaTrace	Neg AP, ALS	NT	
4DP967				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
4GM7GD				
Item 3	Pos KM, Hexagon OBTI	Pos AP, PSA, RSID-Semen	NT	
Item 4	Pos KM, Hexagon OBTI	Neg AP	NT	
4GZZWE				
Item 3	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT	
Item 4	Pos KM, Hexagon OBTI	Neg AP	NT	
4JPA39				
Item 3	Pos KM, HemaTrace	Pos PSA, Micro, ALS (neg)	Neg SALIgAE	Semen - AP, Inc
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA	Neg SALIgAE	
4LCC39				
Item 3	Pos TMB	Pos ALS, AP, Micro, p30	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
4Q87ZA				
Item 3	Pos TMB, HemaTrace	Pos AP, Micro, PSA, ALS	NT	
Item 4	Pos TMB, HemaTrace	Neg AP, ALS	NT	
4Q9BND				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
4V269D				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro, PSA	Neg RSID	
627V2P				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	Neg ALS, Phadebas	
62L46Y				
Item 3	Pos TMB, KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos TMB, KM, HemaTrace	Neg ALS, AP, PSA	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
62NCC4				
Item 3	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID	Human Origin, Pos Plexor HY
Item 4	Pos KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, Plexor HY
63Y8ZG				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
66TTU8				
Item 3	Pos PTMB	Pos AP, PSA, Micro	NT	
Item 4	Pos PTMB	Neg AP	NT	Urine, Neg Uritrace
68NDBQ				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
68WDT2				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
6AXJ97				
Item 3	Pos KM; HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM; HemaTrace	Neg AP, PSA	Neg Padebas[sic]	
6BAQHA				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
6DGVQ9				
Item 3	Pos TMB	Pos AP, ALS, Micro, PSA	NT	Human, Pos HemaTrace
Item 4	Pos TMB	Neg AP, ALS	NT	Human, Pos HemaTrace
6EHF8H				
Item 3	Pos Hemastix	Pos AP, RSID-Semen	NT	
Item 4	Pos Hemastix	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
6FDVKF				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
6FQLFD				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	
6GGE33				
Item 3	Pos O-tol	Pos AP, Micro, PSA	Neg Amylase Diffusion	
Item 4	Pos O-tol	Neg AP, Micro, PSA	Neg Amylase Diffusion	
6HAXTN				
Item 3	Pos KM, Seratec HemDirect	Pos AP, Micro, ALS, RSID	NT	
Item 4	Pos KM, Seratec HemDirect	Neg AP, Micro, ALS, RSID	NT	
6J6FUP				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
6KFQX3				
Item 3	Pos O-tol	Pos ALS, AP, PSA, Micro	Neg α -Amylase Diffusion	
Item 4	Pos O-tol	Neg ALS, AP, PSA, Micro	Neg α -Amylase Diffusion	
6KHQ8V				
Item 3	Pos KM, Takayama	Pos AP		
Item 4	Pos KM, Takayama	Neg AP		
6MRQEN				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	NT	NT	
6Q76H4				
Item 3	Pos KM, RTPCR	Pos ALS, AP, PSA	NT	
Item 4	Pos KM, RTPCR	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
6R34WM				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
6RH6W4				
Item 3	Pos KM, HemDirect	Pos AP, Micro, PSA	Neg RSID-Saliva	
Item 4	Pos KM, HemDirect	Neg AP, Micro, PSA	Neg RSID-Saliva	
6RXQ76				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
6TZAE3				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	Amylase, Neg Amylase Diffusion Assay
Item 4	Pos KM, Takayama	Neg AP	NT	
6U3NN9				
Item 3	Pos KM, Ouchterlony	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, Ouchterlony	Neg ALS, AP, PSA, Micro	NT	
6UADAD				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	NT	
6V3REC				
Item 3	Pos KM, Bluestar Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT	
Item 4	Pos KM, Bluestar Hexagon OBTI	Neg AP	NT	
6VY8QA				
Item 3	Pos Hemastix, HemaTrace	Pos AP, Micro	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
6WTHE3				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
6XPXPE				
Item 3	Pos TMB	Pos ALS, Micro, PSA, AP	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
6ZAM9Q				
Item 3	Pos Visual Examination, Luminol, KM, Takayama, HemDirect	Pos ALS, AP, Micro	Neg Amylase Diffusion	
Item 4	Pos Visual Examination, Luminol, KM, Takayama, HemDirect	Neg ALS, AP, Micro	Neg Amylase Diffusion	
7233W8				
Item 3	Pos KM, HemaTrace	Pos PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg PSA	Neg RSID	
73GDZ7				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, PSA, Micro	Neg Phadebas Tablet	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg ALS, AP, PSA	Neg Phadebas Tablet	Urine, Neg Uritrace
74PFXY				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
74UUBY				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
77YM3C				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
78NMQU				
Item 3	Pos HemaTrace	Pos p30, Micro	NT	
Item 4	Pos HemaTrace	Neg p30, Micro	NT	
7DYXJ3				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, PSA, Micro	Neg Phadebas	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg ALS, AP	NT	Urine

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
7EUFL6				
Item 3	Pos TMB, HemaTrace	Pos AP, PSA, Micro	Neg Amylase	
Item 4	Pos TMB, HemaTrace	Neg AP, PSA, Micro	Neg Amylase	
7F4799				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
7F7DQ9				
Item 3	Pos KM, ABA HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, ABA HemaTrace	Neg AP	NT	
7GBN74				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	Neg ALS, Phadebus[sic]	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
7HR3BL				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
7J4U33				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, PSA, Micro	Neg Phadebas Tablets	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg ALS, AP, PSA	Neg Phadebas Tablets	Urine, Neg Uritrace
7JMPK6				
Item 3	Pos PHT, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos PHT, HemaTrace	Neg ALS, AP	NT	
7KX2AF				
Item 3	Pos O-tol, H/T	Pos AP, Micro, p30	NT	
Item 4	Pos O-tol	Neg AP	NT	
7LA9L3				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
7NW334				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA		
Item 4	Pos TMB	Neg ALS, AP		
7NXV6H				
Item 3	Pos O-tol	Pos AP, Micro	Neg RSID	
Item 4	Pos O-tol	Neg AP	NT	
7U39PF				
Item 3	Pos LMG	Pos AP/PSA	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
7UFBK9				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID	
84P3LF				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, RSID-Semen, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
863G84				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
86Z93K				
Item 3	Pos Hemastix	Pos AP, Micro	Neg RSID	
Item 4	Pos Hemastix	Neg AP	Neg RSID	
8ADGGN				
Item 3	Pos Hemastix, HemaTrace	Pos Acid Phosphatase	Neg RSID- Saliva	
Item 4	Pos Hemastix, HemaTrace	Neg Acid Phosphatase	Neg RSID -Saliva	
8AQDLT				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
8ATRH3				
Item 3	Pos PTMB, HemaTrace	Pos PSA(pos.), Micro (pos.), (AP neg.)	Neg Phadebas tablet	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg AP, PSA	Neg Phadebas tablet	Urine, Neg Uritrace
8B76N7				
Item 3	Pos KM, Ouchterlony species determination	Pos AP, p30, Micro for Sperm	Neg Amylase Radial Diffusion, Micro for e. cells	
Item 4	Pos KM, Ouchterlony species determination	Neg AP, p30, Micro for Sperm	Neg Amylase Radial Diffusion, Micro for e. cells	
8E6YH8				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
8EQFWN				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
8F2FTH				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP, Micro	NT	
8FFQMG				
Item 3	Pos HemDirect	Pos AP, RSID, PSA, ALS, Micro	Neg RSID	
Item 4	Pos HemDirect	Neg AP, RSID, PSA, ALS, Micro	Neg RSID	
8FXC4T				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	Neg Amylase	
Item 4	Pos KM	Neg ALS, AP, PSA, Micro	Neg Amylase	
8GTU7U				
Item 3	Pos HemaTrace	Pos ALS, p30, Micro	NT	
Item 4	Pos HemaTrace	Neg ALS, p30, Micro	NT	
8JZJYJ				
Item 3	Pos LMG, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
8LLYYY				
Item 3	Pos LMG	Pos PSA	NT	
Item 4	Pos LMG	Neg PSA	NT	
8N7TRT				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP	NT	
8RWDY4				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP reagent, Microscopic analysis, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP reagent, Microscopic analysis, PSA	NT	
8TQEL7				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
8ULXN8				
Item 3	Pos KM	Pos AP/Micro	NT	
Item 4	Pos KM	Neg AP	NT	
8UUFMX				
Item 3	Pos HemaTrace, KM	Pos PSA, Microscopy	Neg RSID-Saliva	Male DNA, Pos Y-screening
Item 4	Pos HemaTrace, KM	Neg PSA, Microscopy	Neg RSID-Saliva	Male DNA, Pos Y-screening
8UXJBN				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro, PSA		
8VAQNC				
Item 3	Pos LMG, Ouchterlony with anti Hu/hb	Pos PSA, Micro, AP	Neg Amylase Radial Diffusion	
Item 4	Pos LMG, Ouchterlony with anti hu/hb	Neg PSA, Micro, AP	Neg Amylase Radial Diffusion	
8Z9MA3				
Item 3	Pos TMB	Pos AP, PSA, Micro	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
986N2F				
Item 3	Pos HemDirect	Pos AP, Sperm Hy-Liter, RSID-Semen, ABACard p30	Neg RSID-Saliva	
Item 4	Pos HemDirect	Neg AP, Sperm Hy-Liter, RSID-Semen, ABACard p30	Neg RSID-Saliva	
99R8JM				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
99U9QK				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
9B43MK				
Item 3	Pos KM	Pos PSA, AP, Micro	NT	
Item 4	Pos KM	NT	NT	
9CUJMK				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
9EGFEE				
Item 3	Pos LMG	Pos AP, PSA	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
9F2TZC				
Item 3	Pos KM	Pos BCIP, Micro	NT	Amylase, Neg Amylase Diffusion
Item 4	Pos KM	Neg BCIP	NT	Amylase, Neg Amylase Diffusion
9F8MBW				
Item 3	Pos KM, HemaTrace	Pos PSA, Micro	Neg RSID	Male DNA, Pos Y-Screening
Item 4	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-Screening
9FTE73				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
9J2QNH				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
9L3BFH				
Item 3	Pos KM, Hemastix, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva	
Item 4	Pos KM, Hemastix, HemaTrace	Neg AP	Neg RSID-Saliva	
9LKU9A				
Item 3	Pos KM	Pos AP, Micro	Neg RSID-Saliva	Human, Pos Plexor HY
Item 4	Pos KM	Neg AP, Micro, PSA	Neg RSID-Saliva	Human, Pos Plexor HY
9LYXLV				
Item 3	Pos RSID	Pos RSID	Neg RSID	
Item 4	Pos RSID	Neg RSID	Neg RSID	
9MDACD				
Item 3	Pos O-tol, HT	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos O-tol, HT	Neg AP, PSA	Neg RSID	
9PHL6D				
Item 3	Pos PHTH, O-tol, Red/brown	Pos AP, Micro	NT	
Item 4	Pos PHTH, O-tol, Red/brown	Neg AP, Micro	NT	
9QTBHX				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
9U4YEG				
Item 3	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas	
Item 4	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas	
9V9DFA				
Item 3	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT	
Item 4	Pos KM, Hexagon OBTI	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
9W3Y9Z				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro, PSA	NT	
9WGXD3				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
9Y8NBA				
Item 3	Pos Hemastix	Pos AP	NT	
Item 4	Pos Hemastix	Neg AP	NT	
A2BE33				
Item 3	Pos LMG	Pos AP, Micro	Neg Phadebas	
Item 4	Pos LMG	Neg AP, Micro	Neg Phadebas	
A8FKV7				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
A8ZQ4P				
Item 3	Pos KM	Pos AP, Micro, ALS	Neg Amylase Diffusion	
Item 4	Pos KM, Takayama, Luminol, HemDirect	Neg AP, ALS	Neg Amylase Diffusion	
A9ARBH				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
AA3PEH				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg AP	NT	
AA8XUX				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ACAHKX				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
AD6MPB				
Item 3	Pos KM, HemaTrace	Pos AP, Seratec, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Seratec	NT	
ADLEP3				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
ADPD7B				
Item 3	Pos KM	Pos ALS, FBB, PSA	NT	
Item 4	Pos KM	Neg ALS, FBB, PSA	NT	
AEKV8C				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
AFNM37				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
AJUYA8				
Item 3	Pos KM, HemaTrace	Pos AP, p30	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, p30	Neg Phadebas	
AK3RN2				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro, PSA	Neg Phadebas	
AKL78P				
Item 3	Pos KM, HemDirect, Takayama, Luminol	Pos AP, Micro, ALS	Neg Amylase Diffusion	
Item 4	Pos KM, HemDirect, Takayama, Luminol	Neg AP, Micro, ALS	Neg Amylase Diffusion	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
AM8HW2				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
AMPHRQ				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP	NT	
AQ9U3V				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
AQPAV3				
Item 3	Pos ABA Heme	Pos PSA, Micro	NT	
Item 4	Pos ABA Heme	Neg PSA, Micro	NT	
ATYMNK				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	Neg ALS, Phadebas	
AXDTF7				
Item 3	Pos LMG	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos LMG	Neg ALS, AP	NT	
AXRBHB				
Item 3	Pos KM, O-tol	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, O-tol	Neg AP, PSA, Micro	Neg Phadebas	
AZYF4C				
Item 3	Pos TMB	Pos AP, Micro	NT	
Item 4	Pos TMB	Neg AP	NT	
B2CGHY				
Item 3	Pos PTMB	Pos AP, PSA, Micro, ALS	NT	
Item 4	Pos PTMB, HemaTrace	Neg AP, PSA, ALS	Neg Phadebas Tablet	Urine, Neg Uritrace

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
B6PD79				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
B72FT3				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
B7XV6Y				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
B8R7R7				
Item 3	Pos KM	Pos AP, Micro	NT	Human, Pos Plexor H/Y
Item 4	Pos KM	Neg AP	NT	Human, Pos Plexor H/Y
BAKX6X				
Item 3	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID	Human Origin, Pos Plexor HY
Item 4	Pos KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg RSID	Human Origin, Pos Plexor HY, HemaTrace
BBU8TP				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
BDEG7Q				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP, PSA	NT	
BET3FR				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
BGGXFK				
Item 3	Pos Hemastix	Pos AP	NT	
Item 4	Pos Hemastix	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
BJPYMC				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
BM6D9X				
Item 3	Pos KM, HemDirect	Pos AP, Micro	Neg RSID-Saliva	
Item 4	Pos KM, HemDirect	Neg AP, Micro	Neg RSID-Saliva	
BNGC47				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
BPFBNZ				
Item 3	Pos TMB, HemaTrace	Pos AP, Micro, p30	NT	
Item 4	Pos TMB, HemaTrace	Neg AP, Micro, p30	NT	
BPVU7C				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
BRWEYX				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
C4PXD4				
Item 3	Pos LMG	Pos AP, PSA, Micro	NT	
Item 4	Pos LMG	Neg AP, PSA, Micro	NT	
C4RDD3				
Item 3	Pos TMB	Pos PSA, AP, ALS, Micro	NT	ABAcad HemaTrace, Pos
Item 4	Pos TMB	Neg PSA, AP, ALS, Micro	NT	ABAcad HemaTrace, Pos
C6HZUQ				
Item 3	Pos RSID	Pos RSID	Neg RSID	
Item 4	Pos RSID	Neg RSID	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
C6TWUC				
Item 3	Pos Combur (TMB) and KM	Pos AP, PSA and Micro	Neg Phadebas	
Item 4	Pos Combur (TMB) and KM	Neg AP and PSA	Neg Phadebas	
C8NGBV				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
C9KH4K				
Item 3	Pos KM	Pos ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quant Duo
Item 4	Pos KM	Neg ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quant Duo
C9KH77				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
CAE4YX				
Item 3	Pos KM, Takayama	Pos AP, Micro	Neg RSID-Saliva	Human, Pos PlexorHY
Item 4	Pos KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg RSID-Saliva	Human, Pos PlexorHY
CAYZAC				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
CBUHBD				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
CEPAJA				
Item 3	Pos color, ppth, O-tol	Pos AP, Micro	NT	
Item 4	Pos color, ppth, O-tol	Neg AP, Micro	NT	
CFKWTT				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	Human Origin, Pos Plexor HY
Item 4	Pos KM, HemaTrace	Neg AP	NT	Human Origin, Pos Plexor HY

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
CGJVC2				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
CGXBG3				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva	
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID-Saliva	
CHBBPD				
Item 3	Pos KM, HemaTrace	Pos AP, p30, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, p30, Micro	NT	
CHTUJ4				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
CLPD83				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
CM2R24				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
CNZC6B				
Item 3	Pos Red-brown, O-tol, PPTH	Pos AP, Micro	NT	
Item 4	Pos Red-brown, O-tol, PPTH	Neg AP, Micro	NT	
CQFMGZ				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
CQJFN2				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
CYCHGK				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg Phadebas, ALS	
D22PFR				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	
D2YGB9				
Item 3	Pos O-tol	Pos AP, PSA	NT	
Item 4	Pos O-tol	Neg AP, PSA	NT	
D38282				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
D7CPPD				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
DACZHR				
Item 3	Pos KM Test	Pos AP Test, Micro exam	NT	
Item 4	Pos KM Test	Neg AP Test	NT	
DATL2N				
Item 3	Pos LMG, HT	Pos AP, PSA	NT	
Item 4	Pos LMG, HT	Neg AP, PSA	NT	
DEPKYD				
Item 3	Pos O-tol	Pos AP, Micro	NT	Human Blood, Pos HemaTrace
Item 4	Pos O-tol	Neg AP	NT	Human Blood, Pos HemaTrace
DF4VTC				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, Micro	NT	
Item 4	Pos LMG	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
DQ2YW7				
Item 3	Pos KM, HemaTrace	Pos Microscopic, (ABACard p30 aka PSA), AP	Neg Phadebas	
Item 4	Pos KM, RSID Blood	Neg Micro, (ABACard p30 aka PSA)	Neg Phadebas	
DRR7UN				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro		
Item 4	Pos KM, HemaTrace	Neg AP		
DVTMGD				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg AP	Neg RSID	
DW2UJ7				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
DXZB6W				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	Neg AP, ALS	NT	
DYC3YX				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	Human, Pos HemaTrace
Item 4	Pos TMB	Neg ALS, AP	NT	Human, Pos HemaTrace
DYR2YW				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP, PSA	NT	
DZN2U8				
Item 3	Pos KM, HemaTrace	Pos AP, Seratec, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Seratec	NT	
E2BF3W				
Item 3	Pos KM, OBTI	Pos ALS, AP, Micro, p30	Neg Phadebas	
Item 4	Pos KM, OBTI	Neg ALS, AP, Micro, p30	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
E7NF39				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	Inc SAlIgAE	
Item 4	Pos KM	NT	NT	
ECYM28				
Item 3	Pos KM, O-tol, RSID, HemaTrace	Pos AP, PSA, Micro	Neg Amylase	
Item 4	Pos KM, O-tol, RSID, HemaTrace	Neg AP, PSA, Micro	Neg Amylase	
EDM8JW				
Item 3	Pos KM, HemaTrace	Pos AP, p30, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
EEY6VT				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID	
EHH2GX				
Item 3	Pos ABA Heme	Pos PSA, Mico[sic]	NT	
Item 4	Pos ABA Heme	Neg PSA, Micro	NT	
EHZHN8				
Item 3	Pos O-tol	Pos AP	Neg RSID	
Item 4	Pos O-tol	Neg AP	Neg RSID	
EJCHK2				
Item 3	Pos KM+	Pos AP+, Micro+Sperm	NT	
Item 4	Pos KM+	Neg AP-, Micro-Sperm	NT	
ELQWUB				
Item 3	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas Press Test	
Item 4	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press Test	
EQJ6WV				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ET2EY2				
Item 3	Pos TMB	Pos ALS, AP, Micro	NT	
Item 4	Pos TMB	Neg ALS, AP, Micro	NT	
ETMJ72				
Item 3	Pos KM	Pos AP, Micro for Sperm	NT	
Item 4	Pos KM	Neg AP, Micro for Sperm	NT	
ETVTUT				
Item 3	Pos KM	Pos AP, PSA		
Item 4	Pos KM	Neg AP		
EW8PZC				
Item 3	Pos O-tol	Pos AP, Micro	Neg RSID	
Item 4	Pos O-tol	Neg AP, Micro	Neg RSID	
EXB48W				
Item 3	Pos KM, OBTI	Pos ALS, AP, Micro	NT	
Item 4	Pos KM, OBTI	Neg ALS, AP, Micro	NT	
EZ3JXD				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
EZ3LMG				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
EZMBU4				
Item 3	Pos KM	Pos ALS/AP/Micro	NT	
Item 4	Pos KM	Neg ALS/AP	NT	
F38QFW				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
F4DT4V				
Item 3	Pos LMG, Seratec Hem	Pos AP, Micro, PSA	Neg RSID-Saliva	Vaginal Cells, Neg Lugol
Item 4	Pos LMG, Seratec Hem	Neg AP, Micro, PSA	Neg RSID-Saliva	Vaginal Cells, Neg Lugol
F6RR8W				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	Neg RSID	
F73HL8				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
F78YJ7				
Item 3	Pos O-tol	Pos AP, Micro, p30	Neg Amylase	
Item 4	Pos O-tol	Neg AP, Micro, p30	Neg Amylase	
F9Q34W				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
FAMQVN				
Item 3	Pos LMG, HemaTrace	Pos AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
FFR7HV				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
FG7QB7				
Item 3	Pos KM, HemDirect	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemDirect	Neg AP, PSA, ALS, Micro	NT	
FGJEFD				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
FHZB9D				
Item 3	Pos KM	Pos AP/PSA/Micro	NT	
Item 4	Pos KM	Neg AP	NT	
FLFTBF				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	
FLFTD2				
Item 3	Pos KM, HemaTrace	Pos AP, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg Phadebas	
FM72BJ				
Item 3	Pos KM, HemDirect, Luminol, Takayama	Pos AP, Micro, ALS	Neg Amylase Diffusion	
Item 4	Pos KM, HemDirect, Luminol, Takayama	Neg AP, Micro, ALS	Neg Amylase Diffusion	
FMBV66				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
FMCAND				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
FRRUH6				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, ABACard p30	Neg Phadebas	Human Origin, Pos Quantifiler Human
Item 4	Pos KM, HemaTrace	Neg AP	Neg Phadebas	Human Origin, Pos Quantifiler Human
FTH3H9				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
FTWEC8				
Item 3	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
FXR6HH				
Item 3	Pos Hemastix (TMB) & HemaTrace	Pos AP, ALS, PSA, & Micro	NT	
Item 4	Pos Hemastix (TMB) & HemaTrace	Neg AP and ALS	NT	
FY78DC				
Item 3	Pos Hemastix, KM, HemaTrace	Pos ALS, AP, Micro	Neg ALS, RSID-Saliva	
Item 4	Pos Hemastix, KM, HemaTrace	Neg ALS, AP, Micro, PSA	Neg ALS, RSID-Saliva	
FZX6PP				
Item 3	Pos LMG, HemaTrace	Pos AP, PSA	NT	
Item 4	Pos LMG, Hematrac	Neg AP, PSA	NT	
GA4VXY				
Item 3	Pos TMB	Pos AP, ALS, Micro, PSA	NT	
Item 4	Pos TMB	Neg AP, ALS		
GAJLXQ				
Item 3	Pos O-tol	Pos AP, Micro, PSA, ALS	Neg Amylase Diffusion	
Item 4	Pos O-tol	Neg ALS, AP, Micro, PSA	Neg Amylase Diffusion	
GAZPHK				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP	NT	
GDG8LM				
Item 3	Pos KM, TMB	Pos AP, PSA, ALS, Micro	NT	
Item 4	Pos KM, TMB	Neg AP, PSA, ALS, Micro	NT	
GEBKYK				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
GK4G96				
Item 3	Pos KM, O-tol	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, O-tol	Neg AP, PSA, Micro	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
GKJPAP				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
GKZXZ8				
Item 3	Pos TMB, Micro	Pos AP, Micro	NT	
Item 4	Pos TMB, Micro	Neg AP	NT	
GM6YAZ				
Item 3	Pos KM	Pos AP, Micro for Sperm cells	NT	
Item 4	Pos KM	Neg AP, Micro for Sperm cells	NT	
GQ9WH8				
Item 3	Pos LMG	Pos AP, PSA	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
GUQJ77				
Item 3	Pos PTMB	Pos ALS, AP, Micro	NT	
Item 4	Pos PTMB	Neg ALS, AP	NT	
GYZC8C				
Item 3	Pos KM	Pos ALS, AP, Micro	Neg ALS, RSID	
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	Neg ALS, RSID	
H8RF3D				
Item 3	Pos HemaTrace	Pos AP, Micro	Neg RSID-Saliva	
Item 4	Pos HemaTrace	Neg AP	Neg RSID-Saliva	
H9MX4E				
Item 3	Pos LMG, HemaTrace	Pos AP, PSA, Micro		
Item 4	Pos LMG, HemaTrace	Neg AP, PSA		
HBQANF				
Item 3	Pos KM, Micro-Takayama	Pos ALS, AP, PSA, Micro-Sperm	Neg Radial Diffusion	
Item 4	Pos KM, Micro-Takayama	Neg ALS, AP, PSA, Micro-Sperm	Neg Radial Diffusion	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
HC3PTL				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
HEAHX2				
Item 3	Pos KM	Pos PSA	Neg Amylase	
Item 4	Pos KM	Neg PSA	Neg Amylase	
HER2RR				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
HFFZWW				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT	
HJQ7UC				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
HLBZNR				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, p30	Neg RSID	
HLT2EZ				
Item 3	Pos KM, HemaTrace	Pos AP, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg Phadebas	
HMGMXP				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
HNC7YR				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	Neg AP, ALS	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
HNWGN7				
Item 3	Pos LMG	Pos AP, PSA	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
HQH3GU				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP		
HQKD7Q				
Item 3	Pos KM, Takayama	Pos AP, Micro	Neg Phadebas	Human Origin, Pos Plexor HY
Item 4	Pos KM, Takayama	Neg AP	Neg Phadebas	Human Origin, Pos Plexor HY
HRVD9C				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
HWQ3R6				
Item 3	Pos KM, Takayama	Pos AP, Micro, ALS, p30	Inc Amylase Radial Diffusion	
Item 4	Pos KM, Takayama	Neg AP, Micro, ALS, p30	Inc Amylase Radial Diffusion	
HZ8ELZ				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
J4283V				
Item 3	Pos KM, OBTI	Pos ALS, AP, Micro	NT	
Item 4	Pos KM, OBTI	Neg ALS, AP	NT	
J4HJK2				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
J4Z3DR				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
J7E6P7				
Item 3	Pos TMB, hemachromagen	Pos AP, Micro	NT	
Item 4	Pos TMB, hemachromagen	Neg AP, Micro	NT	
J7T4TB				
Item 3	Pos Hemastix, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva	
Item 4	Pos Hemastix, HemaTrace	Neg AP, PSA	Neg RSID-Saliva	
JC332Z				
Item 3	Pos KM, Takayama	Pos AP, Micro	Inc Amylase Radial	
Item 4	Pos KM, Takayama	Neg AP, Micro, p30	Inc Amylase Radial	
JDEKCT				
Item 3	Pos TMB	Pos AP, ALS, Micro, p30	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
JHMM6V				
Item 3	Pos KM	Pos ALS, AP, Micro, PSA	Neg Amylase tube test	Human, Pos OBTI
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	Neg Amylase tube test	Human, Pos OBTI
JKQBM7				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg RSID-Saliva	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID-Saliva	
JXWYQE				
Item 3	Pos KM	Pos ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quantifiler Duo
Item 4	Pos KM	Neg ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quantifiler Duo
K2UG4E				
Item 3	Pos LMG, Hexagon-OBTI	Pos PSA Seratec Semiquant	Neg Phadebas Amylase Test	Spermatozoon, Pos Hemalaun-Eozin, Micro
Item 4	Pos LMG, Hexagon-OBTI	Neg PSA Seratec Semiquant	Neg Phadebas Amylase Test	Spermatozoon, Neg Hemalaun-Eozin, Micro
K3R2FY				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, p30	Inc Amylase, Micro	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, p30	Inc Amylase, Micro	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
K4H9DG				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
K788HM				
Item 3	Pos O-tol	Pos AP, Micro	Neg Micro	unstained background, Neg o-tol, AP, Micro
Item 4	Pos O-tol	Neg AP	NT	unstained background, Neg o-tol, AP
K7M9KN				
Item 3	Pos KM	Pos AP, PSA, ALS	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
K7RZY6				
Item 3	Pos KM and Combur (TMB)	Pos AP, PSA, Micro (sp)	Neg Phadebas	
Item 4	Pos KM and Combur (TMB)	Neg AP and PSA	Neg Phadebas	
KBHV3W				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
KCW9VY				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
KDTBYH				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
KEXQWV				
Item 3	Pos KM	Pos Micro, ALS, PSA, AP	NT	
Item 4	Pos KM	Neg Micro, ALS, PSA, AP	NT	
KFDUQM				
Item 3	Pos LMG, HT	Pos AP, PSA	NT	
Item 4	Pos LMG, HT	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
KKP7Y2				
Item 3	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Neg ALS, AP	NT	Human Origin, Pos HemaTrace
KL332L				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
KNPE3C				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT	
KT7W9Z				
Item 3	Pos KM, RSID-Blood	Pos AP, Micro, ABA p30	NT	
Item 4	Pos KM, RSID-Blood	NT	NT	
KTHHUV				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg RSID	
Item 4	Pos KM	Neg AP	NT	
KWLA3V				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
KWZQ72				
Item 3	Pos O-tol, PPTH, colour	Pos AP, Micro	NT	
Item 4	Pos O-tol, PPTH, colour	Neg AP, Micro	NT	
KXGXD4				
Item 3	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas Press	
Item 4	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	
KY97D8				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
KZ69FQ				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
KZYX3D				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP, PSA	NT	
L7HEEN				
Item 3	Pos KM	Pos PSA, AP	NT	
Item 4	Pos KM	Neg AP	NT	
L7QMQ3				
Item 3	Pos KM, ABACard	Pos AP, PSA	Neg Phadebas Press	
Item 4	Pos KM, ABACard	Neg AP	Neg Phadebas Press	
L8YVP2				
Item 3	Pos PTMB	Pos ALS, AP, Micro	NT	
Item 4	Pos PTMB	Neg ALS, AP	NT	
L99B63				
Item 3	Pos KM, HemaTrace	Pos ALS, Micro, AP, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
LB2PTX				
Item 3	Pos KM, O-tol	Pos AP, Micro (CT, SH)	Neg Phadebas (Amylase)	
Item 4	Pos KM	Neg AP, Micro (CT), PSA	Neg Phadebas (Amylase)	
LBX8K2				
Item 3	Pos PTMB	Pos ALS, AP, Micro	NT	
Item 4	Pos PTMB	Neg ALS, AP, Micro, PSA	NT	
LCRXQF				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
LE3QUV				
Item 3	Pos KM	Pos AP, PSA	Neg Phadebas	Blood, Pos HemaTrace
Item 4	Pos KM	Neg AP, PSA	Neg Phadebas	Blood, Pos HemaTrace
LJ8BH8				
Item 3	Pos Hemastix, HemaTrace	Pos AP, Micro, PSA	Neg RSID	
Item 4	Pos Hemastix, HemaTrace	Neg AP, Micro, PSA	Neg RSID	
LJAGW2				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
LJD2LP				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
LKM3HW				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	Human, Pos Plexor HY
Item 4	Pos KM	Neg AP	Neg RSID	Human, Pos Plexor HY
LMEUWM				
Item 3	Pos KM, Takayama	Pos AP and Micro	Neg Phadebas and RSID-Saliva	Human Origin, Pos Plexor HY
Item 4	Pos KM, Takayama and HemaTrace	Neg AP, Micro and PSA	Neg Phadebas and RSID-Saliva	Human Origin, Pos Plexor HY
LQAT4R				
Item 3	Pos ABA heme	Pos PSA, Micro	NT	
Item 4	Pos ABA heme	Neg PSA, Micro	NT	
LUNVZH				
Item 3	Pos KM test	Pos AP test, PSA	NT	
Item 4	Pos KM test	Neg AP test	NT	
LUQDQ8				
Item 3	Pos KM, Seratec HemDirect	Pos AP, Micro	NT	
Item 4	Pos KM, Seratec HemDirect	Neg AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
LV3K4V				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP, PSA, Micro	NT	
LWVDYD				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	Neg Amylase	
Item 4	Pos KM	Neg ALS, AP, PSA, Micro	Neg Amylase	
LZFPRU				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP	NT	
M2PYFL				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
M68RHU				
Item 3	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT	
Item 4	Pos KM, Hexagon OBTI	Neg AP	NT	
M69623				
Item 3	Pos O-tol	Pos AP, ALS, PSA, Micro	NT	Human Blood, Pos RSID
Item 4	Pos O-tol	Neg ALS, AP	NT	Human Blood, Pos RSID
M6JNNY				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
M6PBCL				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
M7KTDM				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
M7XHGY				
Item 3	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Neg ALS, AP	NT	Human Origin HemaTrace
MAEEUB				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	Neg ALS, Phadebas	
MBW9W7				
Item 3	Pos Hemastix, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos Hemastix, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
MCMVHM				
Item 3	Pos Phenolphthalein (PHT), HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos PHT, HemaTrace	Neg ALS, AP	NT	
MCN89J				
Item 3	Pos LMG	Pos SM, PSA	Neg SALlgAE	
Item 4	Pos LMG	Neg SM, PSA	NT	
MCQDQJ				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
MCRBX9				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	
MDMQA7				
Item 3	Pos O-tol	Pos AP; PSA	Neg Amylase	Human Blood, Pos RSID-Blood
Item 4	Pos O-tol	Neg AP	NT	Human Blood, Pos RSID-Blood
MFNB3R				
Item 3	Pos KM	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
MGXKQH				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Inc ALS, AP, Micro	NT	
MKXWLH				
Item 3	Pos PTMB, HemaTrace	Pos AP, Micro	NT	
Item 4	Pos PTMB, HemaTrace	Neg AP, Micro	NT	
MM446A				
Item 3	Pos KM	Pos AP, DNA diff	Neg Phadebas	
Item 4	Pos KM	Neg AP, DNA diff	NT	
MQ6N7U				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	
MQKAFV				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
MRYX3B				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
MUP8YX				
Item 3	Pos O-tol	Pos AP, PSA	NT	
Item 4	Pos O-tol	Neg AP	Neg RSID-Saliva	
MWPHRD				
Item 3	Pos O-tol, HemDirect Cards, Micro	Pos AP, PSA, Micro	Neg Amylase Diffusion	
Item 4	Pos O-tol, HemDirect Cards, Micro	Neg AP, PSA, Micro	Neg Amylase Diffusion	
MX8T66				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
MY2EXW				
Item 3	Pos KM	Pos AP, PSA	Neg Phadebas	Blood, Pos HemaTrace
Item 4	Pos KM	Neg AP, PSA	Neg Phadebas	Blood, Pos HemaTrace
MY6YNK				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
MYZQ96				
Item 3	Pos KM	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos KM	Neg AP	NT	
MZDUT4				
Item 3	Pos KM	Pos AP, Micro	Neg RSID-Saliva	
Item 4	Pos KM	Neg AP	Neg RSID-Saliva	
N4PMB2				
Item 3	Pos LMG, HemaTrace	Pos AP (Brentamine), Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP (Brentamine)	NT	
N4UXEK				
Item 3	Pos PTMB	Pos AP, Micro	NT	
Item 4	Pos PTMB	Neg AP	NT	
N7XCPQ				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
N89CJZ				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
N8Q3U6				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg AP, PSA	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
NAHKAQ				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP, Micro, PSA	NT	
NEDE67				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM	Neg AP	NT	
NGY79W				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Microscopic	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
NHA8VV				
Item 3	Pos TMB	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
NHRANP				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
NLUWE8				
Item 3	NT	Pos AP	NT	
Item 4	NT	Neg AP	NT	
NM74RV				
Item 3	Pos KM	Pos PSA	Neg Amylase	
Item 4	Pos KM	Neg PSA	Neg Amylase	
NP6AW7				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP	Neg Phadebas	
NPAHCL				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, p30, Micro	NT	
Item 4	Pos PTMB, HemaTrace	Neg ALS, AP	Neg Phadebas tablet	Neg Uritrace

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
NQNQEU				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
NTAQFV				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Inc Radial Diffusion	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, p30	Inc Radial Diffusion	
NV8XC8				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
NVBB7V				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
NVTUZL				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
NW6LUN				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP, Micro, PSA	NT	
NZRY38				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
P2JYHC				
Item 3	Pos HemaTrace	Pos ALS, p30, Micro	NT	
Item 4	Pos HemaTrace	Neg ALS, p30, Micro	NT	
P2ZM2W				
Item 3	Pos KM	Pos AP, ALS, Micro, PSA	NT	
Item 4	Pos KM	Neg AP, ALS, Micro, PSA	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
P3CDXU				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
P4PXP				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
P888V				
Item 3	Pos HemDirect	Pos AP, RSID, p30, Micro	Neg RSID	
Item 4	Pos HemDirect	Neg AP, RSID, p30, Micro	Neg RSID	
P92X2B				
Item 3	Pos KM, Luminol, Takayama, HemDirect	Pos AP, Micro, ALS	Neg Amylase Diffusion	
Item 4	Pos KM, Luminol, Takayama	Neg AP, Micro, ALS	Neg Amylase Diffusion	
P9696U				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
P9G6BY				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
PAC86N				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP		
PB8P7P				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM	Neg ALS, PSA, AP, Micro	NT	
PC2FBJ				
Item 3	Pos KM, qRT-PCR	Pos AP, PSA		
Item 4	Pos KM, qRT-PCR	Neg AP, PSA		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
PDE86K				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
PDQ496				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg ALS, Phadebas	
PJUXGE				
Item 3	Pos Hemastix	Pos AP		
Item 4	Pos Hemastix	Neg AP		
PK8H9N				
Item 3	Pos KM, OBTI card	Pos ALS, AP, Micro, PSA	Neg Phadebus[sic]	
Item 4	Pos KM, OBTI card	Neg ALS, AP, Micro, PSA	Neg Phadebus[sic]	
PRT7WK				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
PTPAZT				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
PVPMBY				
Item 3	Pos TMB, Takayama	Pos AP, Oppitz	NT	
Item 4	Pos TMB, Takayama	Neg AP, Oppitz	NT	
PVU7Y3				
Item 3	Pos KM	Pos Micro, PSA	NT	
Item 4	Pos KM	Neg Micro, PSA	NT	
PXK276				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
Q2FQTP				
Item 3	Pos LMG	Pos PSA, Micro	NT	
Item 4	Pos LMG	Neg PSA, Micro	NT	
Q2TTNG				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
Q3LGTD				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
Q9ZBAN				
Item 3	Pos KM	Pos AP, PSA, Micro		
Item 4	Pos KM	Neg AP, PSA		
QAQH87				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
QB3R9Y				
Item 3	Pos KM	Pos AP, Micro	Neg RSID-Saliva	
Item 4	Pos KM	Neg AP	Neg RSID-Saliva	
QBYEEB				
Item 3	Pos KM, HemaTrace	Pos Micro, PSA	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos KM, HemaTrace	Neg Micro, PSA	Neg RSID	Male DNA, Pos Y-screening
QG7VWC				
Item 3	Pos LMG, HT	Pos AP, PSA	NT	
Item 4	Pos LMG, HT	Neg AP	NT	
QGMD8Q				
Item 3	Pos LMG, Hema-Trace	Pos ALS, AP, p30, Micro	NT	
Item 4	Pos LMG, Hema-Trace	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
QGPHVU				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
QH2EYD				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
QKTUNU				
Item 3	Pos KM	Pos AP, CT (Micro), PSA	NT	
Item 4	Pos KM	Neg AP, SH (Micro), PSA	NT	
QMBG29				
Item 3	Pos PTMB	Pos PSA	Neg SALIgAE	
Item 4	Pos PTMB	Neg PSA	Neg SALIgAE	
QMDVJF				
Item 3	Pos PHT, HemaTrace	Pos AP, Micro	Neg Phadebas Amylase	
Item 4	Pos PHT, HemaTrace	Neg AP, Micro	Neg Phadebas Amylase	
QPGQ3J				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	Neg AP, ALS	NT	
QR9NNW				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, RSID	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
QT47PX				
Item 3	Pos KM	Pos AP, PSA	Neg Phadebas Press	Human Blood, Pos ABACard
Item 4	Pos KM	Neg AP	Neg Phadebas Press	Human Blood, Pos ABACard
QTGWLV				
Item 3	Pos KM	Pos ALS, AP, Micro, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Neg ALS, AP	NT	Human Origin, Pos HemaTrace

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
QTKGBJ				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, p30, Micro	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP	NT	
QXEART				
Item 3	Pos KM, Takayama	Pos ALS, AP, Micro	Inc ALS, Radial Diffusion, Micro	
Item 4	Pos KM, Takayama	Neg ALS, AP, Micro, p30	Inc ALS, Radial Diffusion, Micro	
QY6GPB				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
QZLNYY				
Item 3	Pos KM	Pos AP, Micro, p30 ABAcard	Neg Amylase Radial Diffusion	
Item 4	Pos KM	Neg AP, Micro, ABAcard p30	Neg Amylase Radial Diffusion	
R4W4XP				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
R68HEQ				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP, Micro	NT	
R6QU46				
Item 3	Pos KM	Pos PSA, Micro, AP	Neg Phadebas	
Item 4	Pos KM	Neg PSA, Micro, AP	Neg Phadebas	
R7PCCF				
Item 3	Pos LMG, HT	Pos AP, Micro	NT	
Item 4	Pos LMG, HT	Neg AP	NT	
R8EM49				
Item 3	Pos LMG, RSID-Blood	Pos AP, RSID-Semen	Neg RSID-Saliva	
Item 4	Pos LMG, RSID-Blood	Neg AP, RSID-Semen	Neg RSID-Saliva	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
R8F3BK				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM	Neg AP	NT	
R8WETP				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
R9RXVQ				
Item 3	Pos TMB	Pos ALS, AP, Micro	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
RB2X3J				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
RBWX6J				
Item 3	Pos HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos HemaTrace	Neg ALS	NT	
RGHVRL				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
RHEB4H				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
RHGEUT				
Item 3	Pos KM, O-tol	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, O-tol	Neg AP, PSA, Micro	Neg Phadebas	
RM8ZDF				
Item 3	Pos KM	Pos AP, Micro, ALS	NT	
Item 4	Pos KM	Neg AP, Micro, ALS	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
RMWUFE				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
RN2386				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
RR3UBG				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
RTU8ZA				
Item 3	NT	Pos AP, PSA, Micro	NT	
Item 4	NT	Neg AP, PSA, Micro	NT	
RUYYP				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
RY4UXP				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
RYYLJB				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
RYZJT7				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP	NT	
RZGGL7				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
RZV3V8				
Item 3	Pos KM	Pos AP, ALS, Micro	Neg Amylase Diffusion test	
Item 4	Pos KM, Luminol, Hemedirect, Takayama	Neg AP, ALS	Neg Amylase Diffusion test	
T4FLMC				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM	Neg AP	NT	
T7JG9Z				
Item 3	Pos Hemastix, HemaTrace	Pos AP, Micro, PSA	Neg RSID	
Item 4	Pos Hemastix, HemaTrace	Neg AP, Micro, PSA	Neg RSID	
T8BFKD				
Item 3	Pos LMG	Pos SM, PSA, RSID	Neg SALlgAE	
Item 4	Pos LMG	Neg SM, PSA, RSID	NT	
T9LEG8				
Item 3	Pos KM, TMB	Pos PSA, AP, Micro	Neg Amylase	
Item 4	Pos KM, TMB	Neg PSA, AP, Micro	Neg Amylase	
TALYHU				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP	NT	
TCMJBF				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
TCR7Y2				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
TER9B3				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, p30	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	Neg ALS, Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
TF8N6P				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
TGKAQK				
Item 3	Pos Abacus Heme	Pos PSA, Micro	NT	
Item 4	Pos Abacus Heme	Neg PSA, Micro	NT	
TJ6P8L				
Item 3	Pos LMG, ABA HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos LMG, ABA HemaTrace	Neg AP, PSA, Micro	NT	
TJNZYK				
Item 3	Pos TMB	Pos AP, Micro, PSA	NT	Human, Pos HemaTrace
Item 4	Pos TMB	Neg AP	NT	Human, Pos HemaTrace
TKJPAT				
Item 3	Pos KM, HemDirect	Pos AP, ALS, PSA, Micro	NT	
Item 4	Pos KM, HemDirect	Neg AP, ALS, PSA, Micro	NT	
TLEHYK				
Item 3	Pos KM	Pos AP, Micro, PSA	NT	
Item 4	Pos KM	Neg AP	NT	
TQNKXA				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	
TRKZA7				
Item 3	Pos VISUAL EXAM, LUMINOL, KM, Takayama, HemDirect	Pos ALS, AP, Micro	Neg Amylase Diffusion	
Item 4	Pos VISUAL EXAM, LUMINOL, KM, Takayama, HemDirect	Neg ALS, AP, Micro	Neg Amylase Diffusion	
TTTK83				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA, ALS	Neg Phadebas, ALS	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA, ALS	Neg Phadebas, ALS	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
TTY9UT				
Item 3	Pos KM, HemaTrace	Pos AP, p30, Micro	Neg Phadebas	Human Origin, Pos Quantifier Human
Item 4	Pos KM, HemaTrace	Neg AP, p30	Neg Phadebas	Human Origin, Pos Quantifier Human
TUPZGD				
Item 3	Pos LMG, HT	Pos AP, PSA	NT	
Item 4	Pos LMG, HT	Neg AP, PSA	NT	
TWYL7K				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadabas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadabas	
TXJ7RA				
Item 3	Pos KM	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM	Neg ALS, AP, PSA, Micro	NT	
TY3GQM				
Item 3	Pos KM, HemaTrace	Pos AP, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg Phadebas	
TYJMYL				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	NT	
Item 4	Pos KM, HemaTrace	NT	Neg RSID	
TZYX3K				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
U3VKXE				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
U3VPPM				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
U4CGPE				
Item 3	Pos TMB, Hexagon OBTI	Pos Phosphatesmo, PSA, RSID-Semen, Micro, ALS	Neg Phadebas, RSID-Saliva	
Item 4	Pos TMB, Hexagon OBTI	Neg Phosphatesmo, PSA, RSID-Semen, Micro, ALS	Neg Phadebas, RSID-Saliva	
U4Q3YG				
Item 3	Pos KM	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas	
U7FTHE				
Item 3	Pos PTMB, HemaTrace	Pos AP, PSA, Micro	NT	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg AP, PSA, Micro	NT	Urine, Neg Uritrace
U7TBCJ				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID-Saliva	
UCLBTZ				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
UDWDGK				
Item 3	Pos TMB, HemaTrace	Pos AP, ALS, Micro, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg AP, ALS, Micro, PSA	NT	
UF389X				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg AP	Neg RSID	
UFZPY2				
Item 3	Pos Hexagon OBTI (Bluestar)	Pos PSA (Bluestar), AP (Macherey Nagel)	Neg RSID-Saliva (Independent Forensic)	
Item 4	Pos Hexagon OBTI (Bluestar)	Neg PSA (Bluestar), AP (Macherey Nagel)	Neg RSID-Saliva (Independent Forensic)	
UGV4V7				
Item 3	Pos KM	Pos ALS, AP, Micro, PSA	Neg Amylase	
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	Neg Amylase	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
UHQMWB				
Item 3	Pos HemaTrace	Pos p30, Micro	NT	
Item 4	Pos HemaTrace	Neg p30, Micro	NT	
UHR6MW				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
UJ4BZK				
Item 3	Pos Hemastix, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
UK3THU				
Item 3	Pos TMB	Pos Micro, AP	NT	
Item 4	Pos TMB	Neg AP	NT	
UMMYMH				
Item 3	Pos PT, TMB, HemaTrace	Pos ALS, AP, Micro, PSA		
Item 4	Pos PT, TMB, HemaTrace	Neg ALS, AP, Micro, PSA		
UQ44G8				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
UTTENR				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
UVEXZ6				
Item 3	Pos O-tol, HemaTrace	Pos AP, PSA, Micro	Neg Micro, Amylase Diffusion	
Item 4	Pos O-tol, HemaTrace	Neg AP, Micro	Neg Micro, Amylase Diffusion	
UYUZ6U				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
UYZYGQ				
Item 3	Pos KM, HemaTrace	Pos AP, Seratec, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Seratec	NT	
UZUPM6				
Item 3	Pos Visual Examination, Luminol, Phenolphthalein, Takayama, HemDirect	Pos ALS, AP, Micro	Neg Amylase Diffusion	
Item 4	Pos Visual Examination, Luminol, Phenolphthalein, Takayama, HemDirect	Neg ALS, AP, Micro	Neg Amylase Diffusion	
V46E4K				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
V48JRN				
Item 3	Pos Hexagon OBTI	Pos PSA	NT	
Item 4	Pos Hexagon OBTI	Neg PSA	Neg RSID-Saliva	
V6ZCM8				
Item 3	NT	NT	NT	Human, Pos Quant Duo
Item 4	NT	NT	NT	Human, Pos Quant Duo
V6ZW6L				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA, ALS		
Item 4	Pos LMG, HemaTrace	Neg AP, ALS		
V86XED				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
VCH2KZ				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
VDDUAR				
Item 3	Pos TMB, micro	Pos AP, Micro		
Item 4	Pos TMB, micro	Neg AP, Micro		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
VDQHBJ				
Item 3	Pos TMB, PHT	Pos ALS, AP, Micro, p30	NT	Human Origin, Pos HemaTrace
Item 4	Pos TMB, PHT	Neg ALS, AP	NT	Human Origin, Pos HemaTrace
VEMYMG				
Item 3	Pos TMB	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
VEPGWD				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
VERBDX				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
VGTE3Y				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP, Micro	NT	
VJ2FAR				
Item 3	Pos KM, Combur (TMB)	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, Combur (TMB)	Neg AP, PSA	Neg Phadebas	
VJH6BD				
Item 3	Pos KM	Pos AP, Seratec	NT	
Item 4	Pos KM	Neg AP	NT	
VLAK2U				
Item 3	Pos LMG	Pos ALS, AP, Micro	NT	
Item 4	Pos LMG	Neg ALS, AP	NT	
VP8YNK				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
VT9HFK				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
VTLFKN				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
VUFZDF				
Item 3	Pos KM	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas	
VUZADN				
Item 3	Pos TMB	Pos ALS, AP, Micro, p30	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
VZPMEC				
Item 3	Pos KM, HemDirect	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos KM, HemDirect	Neg ALS, AP, PSA	NT	
W6FCJM				
Item 3	Pos KM, HemaTrace	Pos Seri AP, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg Seri AP, PSA	Neg Phadebas	
W88LDN				
Item 3	Pos Hemochromogen	Pos Fast blue and Micro	NT	Hair, Neg visual
Item 4	Pos Hemochromogen	Neg Fast Blue	NT	Hair, Neg visual
W8ZZGM				
Item 3	Pos O-tol	Pos AP, Micro	NT	
Item 4	Pos O-tol	Neg AP, Micro	NT	
WD9WC2				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
WDMP4H				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
WEFRK7				
Item 3	Pos KM	Pos AP, PSA, Micro, ALS	NT	
Item 4	Pos KM	Neg AP, ALS	NT	
WFRF7R				
Item 3	Pos KM and HemaTrace	Pos ALS, AP, PSA, Micro		
Item 4	Pos KM and HemaTrace	Neg ALS, AP		
WGQ2WH				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
WJC8HU				
Item 3	Pos KM	Pos AP, PSA, Micro	Neg RSID-Saliva	
Item 4	Pos KM	Neg AP	Neg RSID-Saliva	
WRNUJN				
Item 3	Pos TMB	Pos ALS, AP, Micro & PSA	NT	
Item 4	Pos TMB	Neg ALS, AP	NT	
WUEM7D				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
WUY4LF				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
WVTR2Q				
Item 3	Pos O-tol	Pos AP, PSA	NT	
Item 4	Pos O-tol	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
WXAG4E				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
WXC9VV				
Item 3	Pos KM	Pos AP, Micro	Neg RSID	
Item 4	Pos KM	Neg ALS, AP, Micro	Neg ALS, RSID	
WXEY2D				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
X4CFZ3				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
X4DBJ9				
Item 3	Pos Hemastix / HemaTrace	Pos AP / PSA / Micro	Neg RSID-Saliva	
Item 4	Pos Hemastix / HemaTrace	Neg AP / PSA / Micro	Neg RSID-Saliva	
X6RARJ				
Item 3	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT	
Item 4	Pos KM, Hexagon OBTI	Neg AP	NT	
X9AA6E				
Item 3	Pos Phenolphthalein	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos Phenolphthalein	Neg ALS, AP	NT	
XD646Z				
Item 3	Pos HemaTrace	Pos ABACARD p30, Micro	NT	Alternate Light Source, Neg ALS
Item 4	Pos HemaTrace	Neg ABACARD p30, Micro	NT	Alternate Light Source, Neg ALS
XDLKFE				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
XEHC7				
Item 3	NT	NT	NT	Human, Pos Quant Duo
Item 4	NT	NT	NT	Human, Pos Quant Duo
XFR3EA				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
XHWV7M				
Item 3	Pos KM, HemaTrace	Pos AP, Seratec, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Seratec	NT	
XJRE8N				
Item 3	Pos KM	Pos ALS, AP, PSA	NT	Human Origin, Pos HemaTrace
Item 4	Pos KM	Neg ALS, AP		Human Origin, Pos HemaTrace
XKLLE2				
Item 3	Pos HemeDirect	Pos PSA	Neg Amylase	
Item 4	Pos HemeDirect	Neg PSA	Neg Amylase	
XPE4UJ				
Item 3	Pos LMG, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	
XQRPNF				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
Item 4	Pos PTMB, HemaTrace	Neg AP, PSA, ALS	Neg Phadebas tablet	Urine, Neg Uritrace
XV337D				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
XV3NXZ				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
XWJW8N				
Item 3	Pos KM, O-tol	Pos AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, O-tol	Neg AP, PSA, Micro	Neg Phadebas	
XX8GPD				
Item 3	Pos ABA Heme	Pos PSA, Micro	NT	
Item 4	Pos ABA Heme	Neg PSA, Micro	NT	
XZFY2B				
Item 3	Pos O-tol	Pos AP, PSA, ALS, Micro	Neg Amylase, ALS	
Item 4	Pos O-tol	Neg AP, PSA, ALS, Micro	Neg Amylase, ALS	
Y49MT2				
Item 3	Pos TMB, KM	Pos AP, PSA, Micro	Neg RSID	
Item 4	Pos TMB, KM	Neg AP, PSA, Micro	Neg RSID	
Y4UL2D				
Item 3	Pos KM, TMB	Pos AP, Micro, PSA, ALS		
Item 4	Pos KM, TMB, HT	Neg AP, Micro, ALS		
Y6JMPV				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	Neg ALS, Phadebas	
Y6P64F				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP		
Y7F3Z8				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	NT	
Y7XXKU				
Item 3	Pos KM	Pos AP, PSA	NT	
Item 4	Pos KM	Neg AP, PSA	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
Y8WM3B				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, Micro, PSA		
Item 4	Pos TMB, HemaTrace	Neg ALS, AP		
Y8Y7B8				
Item 3	Pos KM, Takayama	Pos AP, Microscopic	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
YC7WDD				
Item 3	Pos PTMB, HemaTrace	Pos ALS, AP, PSA, Micro	NT	Urine, Neg Uritrace
Item 4	Pos PTMB, HemaTrace	Neg ALS, AP, PSA	Neg Phadebas Tablet	Urine, Neg Uritrace
YDHHY9				
Item 3	Pos KM, HemaTrace	Pos AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	Neg Phadebas	
YFBEKL				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP, Micro	NT	
YFM989				
Item 3	Pos KM, HemDirect	Pos ALS, AP, Micro	Neg RSID-Saliva	
Item 4	Pos KM, HemDirect	Neg ALS, AP, Micro	Neg RSID-Saliva	
YFP8DX				
Item 3	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg ALS, Phadebas	
YGVYWY				
Item 3	Pos RSID-Blood	Pos RSID-Semen	Neg RSID-Saliva	
Item 4	Pos RSID-Blood	Neg RSID-Semen	Neg RSID-Saliva	
YGZQBE				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
YJLWU6				
Item 3	Pos KM	Pos AP	NT	
Item 4	Pos KM	Neg AP	NT	
YLCPJY				
Item 3	Pos KM	Pos ALS, AP, Micro	Neg ALS, Phadebas	Human DNA detected, Pos Quantifiler Duo
Item 4	Pos KM	Neg ALS, AP, Micro	Neg ALS, Phadebas	Human DNA detected, Pos Quantifiler Duo
YMRZKD				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
YPC2DE				
Item 3	Pos KM, HemaTrace	Pos AP, Micro, ALS	Neg RSID-Saliva	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID-Saliva	
YQN9P3				
Item 3	Pos ALS, HemaTrace	Pos ALS, p30, Micro	NT	
Item 4	Pos ALS, HemaTrace	Neg ALS, p30, Micro	NT	
YTQ4A6				
Item 3	Pos KM	Pos AP	NT	Microscopic, Pos Micro
Item 4	Pos KM	Neg AP	NT	
YVXBRX				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
YZVB7E				
Item 3	Pos TMB, HemaTrace	Pos ALS, AP, p30, Micro	NT	
Item 4	Pos TMB, HemaTrace	Neg ALS, AP, Micro	NT	
Z4RJL9				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
Z7J7QH				
Item 3	Pos KM	Pos AP, PSA, Micro	NT	
Item 4	Pos KM	Neg AP, PSA, Micro	NT	
Z9LKZN				
Item 3	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, PSA		
ZAE7FD				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
ZBQFH7				
Item 3	Pos LMG, HT	Pos AP, Micro	NT	
Item 4	Pos LMG, HT	Neg AP, Micro, PSA	NT	
ZC2FGL				
Item 3	Pos O-tol, HT	Pos AP, Micro, ALS, PSA	NT	
Item 4	Pos O-tol, HT	Neg AP, Micro, PSA	NT	
ZDFA8Z				
Item 3	Pos KM, Takayama	Pos AP	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
ZF3J99				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
ZFZJK2				
Item 3	Pos KM	Pos Micro	NT	Seminal Fluid, Neg ALS, AP
Item 4	Pos KM	Neg ALS, AP, Micro	NT	
ZG2ZQH				
Item 3	Pos KM	Pos ALS, AP and Micro	NT	
Item 4	Pos KM	Neg ALS and AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ZKFPX9				
Item 3	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID	Human Origin, Pos PlexorHY
Item 4	Pos KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PlexorHY
ZM2BQV				
Item 3	Pos Visual, Luminol, KM, Takayama, HemDirect	Pos ALS, AP, Micro	Neg Amylase Diffusion	
Item 4	Pos Visual, Luminol, KM, Takayama, HemDirect	Neg ALS, AP, Micro	Neg Amylase Diffusion	
ZNXBTV				
Item 3	Pos Hemastix. OBTI	Pos PSA	NT	
Item 4	Pos	Neg	NT	
ZPPPE6				
Item 3	Pos KM	Pos AP, Micro	NT	
Item 4	Pos KM	Neg AP, ALS	NT	
ZRC69T				
Item 3	Pos HemaTrace	Pos ALS, ABA-p30 test	NT	
Item 4	Pos HemaTrace	Neg ABA-p30 test, ALS	NT	
ZRYNWT				
Item 3	Pos KM	Pos AP, Micro		
Item 4	Pos KM	Neg AP		
ZRYVUE				
Item 3	Pos TMB, PHT	Pos ALS, AP, PSA, Micro	NT	Human, Pos HemaTrace
Item 4	Pos TMB, PHT	Neg ALS, AP	NT	Human, Pos HemaTrace
ZTTLZU				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
ZTXTF9				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ZVHU8A				
Item 3	Pos KM	Pos ALS, AP, Micro	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
ZVX7PE				
Item 3	Pos TMB, PHT	Pos AP, Micro, ALS, p30	NT	Human Origin, Pos HemaTrace
Item 4	Pos TMB, PHT	Neg AP, ALS	NT	Human Origin, Pos HemaTrace
ZVYYRT				
Item 3	Pos KM	Pos AP, Micro		
Item 4	Pos KM	Neg AP		
ZWRWVT				
Item 3	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
ZWW6B9				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
ZXZC3Z				
Item 3	Pos KM, Takayama	Pos AP, Micro	NT	
Item 4	Pos KM, Takayama	Neg AP	NT	
ZY2ZRQ				
Item 3	Pos LMG	Pos AP, Micro	NT	
Item 4	Pos LMG	Neg AP	NT	
ZYCJFN				
Item 3	Pos KM, HemaTrace	Pos ALS (neg), AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP	NT	
ZYYP29				
Item 3	Pos TMB	Pos PSA	Neg Phadebas	Human Origin Hexagon OBTI, Quantifiler
Item 4	Pos TMB	Neg PSA	Neg Phadebas	Human Origin Hexagon OBTI, Quantifiler

**Table 1: Serology Screening
Response Summary**
Item 3

 Participants: **629**

ITEM 3:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	619	618	0
Negative	0	0	192
Inconclusive	0	0	7
Not Tested (NT)	10	11	412
Not Reported	0	0	18

**Table 1: Serology Screening
Response Summary**
Item 4

 Participants: **629**

ITEM 4:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	620	1	0
Negative	0	612	189
Inconclusive	0	1	6
Not Tested (NT)	9	15	409
Not Reported	0	0	25

Amplification Kit(s) & STR Results

TABLE 2

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

22XJV	PowerPlex® PP16 HS and PP Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
<hr/>						
23FU9N	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
<hr/>						
24AF2E	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
<hr/>						
26XVRV	PowerPlex® 16 HS, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
<hr/>						
2DXP8M	GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
<hr/>						
2E3PZ3	COfiler® and Profiler Plus® 10 Loci					
1				16,17	11,13	10,10
	14,14			11,12		19,19
		29,31		X,X		22,22
						17,18
<hr/>						
2E8XEG	Globalfiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18

TABLE 2

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

2H8RAH	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
2J2D4A	PowerPlex® 16 HS					
1				16,17	11,13	10,10
				14,14	11,12	12,13
		29,31		X,X	7,10	22,22
		7,9	10,18	8,8	10,11	17,18
2JXZ8Z	PowerPlex® 16 HS					
1				16,17	11,13	10
				14	11,12	12,13
		29,31		X	7,10	22
		7,9	10,18	8	10,11	17,18
2KPFMX	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
2L2XHT	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
2M2NYA	PowerPlex® 16 HS					
1				16,17	11,13	10,10
				14,14	11,12	12,13
		29,31		X,X	7,10	22,22
		7,9	10,18	8,8	10,11	17,18
2MWGJU	GlobalFiler Express					
1		14,16.3	20,21	11,14	16,17	11,13
		14	12,14	17,18	11,12	12,13
		14,15	29,31	12,16	X	7,10
				17,18	8	10,11
						17,18

TABLE 2

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

2P8QN9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
2QH4BM	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
2RQMAD	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
2RUTQT	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
2RY23L	GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
2WJEBZ	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
2WN7DW	Identifiler®					
1	N/A	20,21	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18

TABLE 2

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

2WR8DH	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
2XHWJB	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
2XWJTD	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
2YQ6PP	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
2Z6QZC	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
32Y6DA	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
342NZ4	Profiler Plus®					
1				16,17	11,13	10,10
	14,14			11,12		19,19
		29,31		X,X		22,22
						17,18

TABLE 2

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

34XKCC	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
36CG4H	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
3773WA	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3ABCXJ	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3AKXC7	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3BGDMH	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3DAPLA	Identifiler® Identifiler Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

3FJQQF	Identifiler® Direct					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
3HFPWU	Identifiler® Plus					
1	NT	20,21	NT	16,17	11,13	10
	14	NT	NT	11,12	12,13	19
	14,15	29,31	NT	X	7,10	22
	NT	NT	NT	8	10,11	17,18
3LH799	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3MDVJG	Globalfiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
3MWQ2J	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3NMY2	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
3QF34N	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

3TNXJR	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
3UHKF4	PowerPlex® 16 HS					
1	-	-	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	-	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18
3UV3AA	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
3UZNVG	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
3Z2D64	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3Z4LC9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
3ZEK7G	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

42MEMW	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
42T3AM	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
43NQG7	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
44WFUN	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
44X3X2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
46C7UD	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
46UM39	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

47ND72	Identifiler® Plus, PowerPlex® 16 HS					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
48487G	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
4CQMEF	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
4D6H7U	GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
4DMQWA	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
4DP967	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
4GM7GD	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

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4GZZWE	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
4JPA39	Identifiler®, GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
4Q87ZA	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
4Q9BND	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
4V269D	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
62L46Y	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
62NCC4	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

63Y8ZG	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
66TTU8	PowerPlex® 16 HS					
1				16,17	11,13	10,10
				14,14	11,12	12,13
		29,31		X,X	7,10	22,22
		7,9	10,18	8,8	10,11	17,18
68NDBQ	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
68WDT2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6AXJ97	PowerPlex® HS					
1				16,17	11,13	10
				14	11,12	12,13
		29,31		X	7,10	22
		7,9	10,18	8	10,11	17,18
6BAQHA	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6DGVQ9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

6EHF8H	PowerPlex® 21	1	14,16,3	20,21	16,17	11,13	10,10	
			14,14		17,18	11,12	12,13	19,19
			14,15	29,31		X,X	7,10	22,22
			7,9	10,18		8,8	10,11	17,18
6FDVKF	Identifiler® Direct	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
6GGE33	Identifiler®	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
6HAXTN	Identifiler®	1		20,21	16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	
6KFQX3	Identifiler®	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
6KHQ8V	PowerPlex® 16 HS	1			16,17	11,13	10	
			14		11,12	12,13	19	
				29,31		X	7,10	22
			7,9	10,18		8	10,11	17,18
6MRQEN	Identifiler® Plus	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	

TABLE 2

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

6Q76H4	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
6R34WM	Identifiler®, Direct					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
6RH6W4	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6RXQ76	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6TZA3	PowerPlex® 16 HS					
1	not tested	not tested	not tested	16,17	11,13	10
	14	not tested	not tested	11,12	12,13	19
	not tested	29,31	not tested	X	7,10	22
	7,9	10,18	not tested	8	10,11	17,18
6U3NN9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6UADAD	Identifiler® DIRECT					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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

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6V3REC	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18
6VY8QA	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18
6WTHE3	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18
6XPXE	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18
7233W8	PowerPlex® Fusion						
	1	14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		7,9	10,18		8	10,11	17,18
73EA9V	Identifiler® Plus, MiniFiler						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
					8	10,11	17,18
73GDZ7	PowerPlex® 16 HS						
	1				16,17	11,13	10,10
		14,14			11,12	12,13	19,19
			29,31		X,X	7,10	22,22
		7,9	10,18		8,8	10,11	17,18

TABLE 2

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

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74PFXY	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
74UUBY	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X,X	7,10	22
				8	10,11	17,18
77YM3C	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
78NMQU	Identifiler®					
1	N/A	20,21	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18
7DYXJ3	PowerPlex® 16 HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
7EUFL6	GlobalFiler					
1	14,16,3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
7F4799	Identifiler® Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18

TABLE 2

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

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7F7DQ9	PowerPlex® Fusion					
1	14,16,3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
7GBN74	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
7HR3BL	Identifiler® Direct					
1		20,21		16,17	11,13	10
	14			11,12	12,13	INC,19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
7J4U33	PowerPlex® 16 HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
7JMPK6	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
7KV2ZK	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
7KX2AF	Identifiler® Plus, PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

7LA9L3	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
7NW334	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
7NXV6H	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
7PPBHT	Identifiler®, Identifiler Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
7U39PF	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
7UFBK9	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
7X394R	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	-	8,8	10,11	17,18

TABLE 2

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

84P3LF	PowerPlex® 21	1	14,16.3	20,21		16,17	11,13	10,10
			14,14		17,18	11,12	12,13	19,19
			14,15	29,31		X,X	7,10	22,22
			7,9	10,18		8,8	10,11	17,18
863G84	Identifiler® Plus	1		20,21		16,17	11,13	10
			14			11,12	12,13	19
			14,15	29,31		X	7,10	22
						8	10,11	17,18
86Z93K	PowerPlex® Fusion	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18		8	10,11	17,18
8ADGGN	Globalfiler	1	14,16.3	20,21	11,14	16,17	11,13	10,10
			14,14	12,14	17,18	11,12	12,13	19,19
			14,15	29,31	12,16	X,X	7,10	22,22
					17,18	8,8	10,11	17,18
8AQDLT	PowerPlex® 16 HS	1				16,17	11,13	10
			14			11,12	12,13	19
				29,31		X	7,10	22
			7,9	10,18		8	10,11	17,18
8ATRH3	PowerPlex® HS	1				16,17	11,13	10,10
			14,14			11,12	12,13	19,19
				29,31		X,X	7,10	22,22
			7,9	10,18		8,8	10,11	17,18
8B76N7	Identifiler® Plus	1		20,21		16,17	11,13	10,10
			14,14			11,12	12,13	19,19
			14,15	29,31		X,X	7,10	22,22
						8,8	10,11	17,18

TABLE 2

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

8E6YH8	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11		17,18
8EQFWN	PowerPlex® 16 HS	1			16,17	11,13	10	
					11,12	12,13	19	
			29,31		X	7,10	22	
			7,9	10,18	8	10,11	17,18	
8F2FTH	Identifiler® Plus	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
8FFQMG	PowerPlex® Fusion	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18	NT	8	10,11	17,18
8FXC4T	Identifiler® Plus, MiniFiler	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
8GTU7U	Identifiler®	1	N/A	20,21	N/A	16,17	11,13	10,10
			14,14	N/A	N/A	11,12	12,13	19,19
			14,15	29,31	N/A	X,X	7,10	22,22
					N/A	8,8	10,11	17,18
8JZYJ	Identifiler® Plus	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	

TABLE 2

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

8LLYYY	Identifiler® Plus, PowerPlex® HS, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
8N7TRT	PowerPlex® 16					
1	N/A	N/A	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	N/A	29,31	N/A	X,X	7,10	22,22
	7,9	10,18	N/A	8,8	10,11	17,18
8TQEL7	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
8ULXN8	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
8UUFMX	Identifiler®, PowerPlex® 16 HS, Fusion5C					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
8UXJBN	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
8VAQNC	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

8Z9MA3	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
934B6X	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
972VRU	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
986N2F	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
99R8JM	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
99U9QK	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
9B43MK	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

9CUJMK	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
9EGFEE	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
9F8MBW	Identifiler® , Plus, PowerPlex® HS, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
9FTE73	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
9J2QNH	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
9L3BFH	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
9LKU9A	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

9LYXLV	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
9MDACD	Identifiler® +					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
9PHL6D	Identifiler®, ID+					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
9QTBHX	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
9U4YEG	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
9V9DFA	Identifiler® Direct, PowerPlex® ESX17					
1		14,16.3	20,21	11,14	16,17	11,13
		14,14	12,14	17,18	11,12	12,13
		14,15	29,31	12,16	X,X	7,10
				17,18	8,8	10,11
9W3Y9Z	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

9WGXD3	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
9Y8NBA	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
A2BE33	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
A8FKV7	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18
A8ZQ4P	Globalfiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X,X	7,10	22
			17,18	8	10,11	17,18
A9ARBH	Identifiler® Direct					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
AA3PEH	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

AA8XUX	PowerPlex® 16 HS					
1	-	-	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	-	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18
ACAHKX	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
AD6MPB	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ADLEP3	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
ADPD7B	GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
AEKV8C	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
AFNM37	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

AJUYA8	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
AK3RN2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
AKL78P	GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
AM8HW2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
AMPHRQ	PowerPlex® 16					
1	N/A	N/A	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	N/A	29,31	N/A	X,X	7,10	22,22
	7,9	10,18	N/A	8,8	10,11	17,18
AQ9U3V	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
AQPAV3	Globalfiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18

TABLE 2

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

AXDTF7	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
AXRBHB	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
AZYF4C	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
B2CGHY	PowerPlex® PowerPlex® HS					
1				16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		29,31		X,X	7,10	22,22
		7,9	10,18	8,8	10,11	17,18
B6PD79	Identifiler® Direct					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
B72FT3	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
B7XV6Y	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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

B8R7R7	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	
BAKX6X	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	
BBU8TP	PowerPlex® 16 HS	1			16,17	11,13	10	
			14		11,12	12,13	19	
				29,31		X	7,10	22
			7,9	10,18		8	10,11	17,18
BDEG7Q	PowerPlex® 16	1	NA	NA	NA	16,17	11,13	10,10
			14,14	NA	NA	11,12	12,13	19,19
			NA	29,31	NA	X,X	7,10	22,22
			7,9	10,18	NA	8,8	10,11	17,18
BET3FR	PowerPlex® Fusion	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X,X	7,10	22
			7,9	10,18		8	10,11	17,18
BGGXFK	GlobalFiler	1	14,16.3	20,21	11,14	16,17	11,13	10,10
			14,14	12,14	17,18	11,12	12,13	19,19
			14,15	29,31	12,16	X,X	7,10	22,22
					17,18	8,8	10,11	17,18
BJPYMC	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	

TABLE 2

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

BM6D9X	Identifiler® Plus						
	1	20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
BNGC47	Identifiler® Plus						
	1	20,21		16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
			8	10,11	17,18		
BPFBNZ	Globalfiler						
	1	14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18	
BPVU7C	Identifiler® Plus						
	1	20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
BRWEYX	Identifiler® Plus						
	1	20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
C4PXD4	Identifiler® Plus						
	1	20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
C6HZUQ	Identifiler®						
	1	20,21		16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
			8	10,11	17,18		

TABLE 2

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

C6TWUC	Globalfiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
C8NGBV	PowerPlex® 16					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
C9KH4K	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
C9KH77	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
CAE4YX	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
CAYZAC	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
CBUHBD	Identifiler®, GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	-	-	17,18	8,8	10,11	17,18

TABLE 2

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

CEPAJA	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
CFKWTT	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
CGJVC2	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
CGXBG3	PowerPlex® 16 HS					
1				16,17	11,13	10
				14	11,12	19
		29,31		X	7,10	22
		7,9	10,18	8	10,11	17,18
CHBBPD	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
CHTUJ4	PowerPlex® Fusion					
1	14,16,3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
CLPD83	Identifiler® Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18

TABLE 2

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

CM2R24	Identifiler® Identifiler Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
CNZC6B	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
CPP7JL	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	---	8,8	10,11	17,18
CQFMGZ	Identifiler® Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
CQJFN2	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
D22PFR	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
D2YGB9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

D38282	PowerPlex® HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
D7CPPD	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
DACZHR	Identifiler® Identifiler Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
DATL2N	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
DEPKYD	PowerPlex® 21					
1	14,16.3	20,21		16,17	11,13	10,10
	14,14		17,18	11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
DF4VTC	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
DQ2YW7	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

DRR7UN	1	Identifiler® Plus	20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
				8	10,11	17,18	
DVTMGD	1	PowerPlex® Fusion	20,21	11,14	16,17	11,13	10
		14,16.3	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		7,9	10,18	8	10,11	17,18	
DW2UJ7	1	GlobalFiler	20,21	11,14	16,17	11,13	10
		14,16.3	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
				17,18	8	10,11	17,18
DXZB6W	1	Identifiler®	20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
				8	10,11	17,18	
DYC3YX	1	Identifiler® Plus, MiniFiler	20,21	16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
DYZ2YW	1	Identifiler®	20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
				8	10,11	17,18	
DZN2U8	1	Identifiler® Plus	20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
				8	10,11	17,18	

TABLE 2

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

E2BF3W	1	Identifiler® Plus						
			20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18			
E7NF39	1	Identifiler® Plus, MiniFiler						
			20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31	X,X	7,10	22	
			8	10,11	17,18			
ECYM28	1	Identifiler® Plus, MiniFiler						
			20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31	X	7,10	22	
			8	10,11	17,18			
EDM8JW	1	PowerPlex® 16, HS						
					16,17	11,13	10	
					11,12	12,13	19	
				29,31	X	7,10	22	
		7,9	10,18	8	10,11	17,18		
EEY6VT	1	Identifiler® Plus						
			20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18			
EHZHN8	1	Identifiler® Plus						
			20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18			
EJCHK2	1	Identifiler® Plus						
			-	20,21	-	16,17	11,13	10,10
			14,14	-	-	11,12	12,13	19,19
			14,15	29,31	-	X,X	7,10	22,22
		-	-	8,8	10,11	17,18		

TABLE 2

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

ELQWUB	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
EQF26K	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
EQJ6WV	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
ET2EY2	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10,10
	14,14	NA	NA	11,12	12,13	19,19
	14,15	29,31	NA	X,X	7,10	22,22
	NA	NA	NA	8,8	10,11	17,18
ETMJ72	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18
ETVTUT	Identifiler® ID28					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
EVQEMJ	Identifiler®, PowerPlex® Fusion, MiniFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18

TABLE 2

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

EW8PZC	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
EXB48W	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
EZ3JXD	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
EZ3LMG	PowerPlex® 16 HS						
	1				16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
EZMBU4	Identifiler® Direct						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
F38QFW	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
F4DT4V	PowerPlex® ESI-17Fast, ESX-17Fast						
	1	14,16.3	20,21	11,14	16,17		
		14	12,14	17,18		12,13	19
		14,15	29,31	12,16	X		22
			17,18	8		17,18	

TABLE 2

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

F4HHJ7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
F4Z4ZH	Identifiler® ID, ID Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
F6RR8W	PowerPlex® PP16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
F73HL8	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
F78YJ7	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
F9Q34W	PowerPlex® 16 HS, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
FAMQVN	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

FFR7HV	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
FG7QB7	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
FHZB9D	Identifiler® ID Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
FLFTBF	PowerPlex® 16 HS						
	1				16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
FLFTD2	Identifiler® Plus						
	1	no profile	20,21	no profile	16,17	11,13	10,10
		14,14	no profile	no profile	11,12	12,13	19,19
		14,15	29,31	no profile	X,X	7,10	22,22
	no profile	no profile	no profile	8,8	10,11	17,18	
FM72BJ	GlobalFiler Express						
	1	14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18	
FMBV66	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	

TABLE 2

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

FMCAND	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FRPWDB	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FRRUH6	COfiler® and Profiler Plus® Profiler® Plus, Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FTH3H9	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FTWEC8	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FU8FX7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
FXR6HH	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

FY78DC	1	PowerPlex® Fusion	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	*,19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18		8	10,11	17,18
FZX6PP	1	Identifiler® 1510189		20,21		16,17	11,13	10
			14			11,12	12,13	19
			14,15	29,31		X	7,10	22
						8	10,11	17,18
GA4VXY	1	Identifiler® Plus	N/A	20,21	N/A	16,17	11,13	10,10
			14,14	N/A	N/A	11,12	12,13	19,19
			14,15	29,31	N/A	X,X	7,10	22,22
			N/A	N/A	N/A	8,8	10,11	17,18
GAZPHK	1	Identifiler® Plus, PowerPlex® 16	N/A	20,21	N/A	16,17	11,13	10,10
			14,14	N/A	N/A	11,12	12,13	19,19
			14,15	29,31	N/A	X,X	7,10	22,22
			7,9	10,18	N/A	8,8	10,11	17,18
GDG8LM	1	Identifiler® Plus		20,21		16,17	11,13	10,10
			14,14			11,12	12,13	19,19
			14,15	29,31		X,X	7,10	22,22
						8,8	10,11	17,18
GK4G96	1	Identifiler® Plus, MiniFiler		20,21		16,17	11,13	10
			14			11,12	12,13	19
			14,15	29,31		X	7,10	22
						8	10,11	17,18
GKJPAR	1	Identifiler®		20,21		16,17	11,13	10
			14			11,12	12,13	19
			14,15	29,31		X	7,10	22
						8	10,11	17,18

TABLE 2

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

GKZXZ8	1	Identifiler®					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
GM6YAZ	1	Identifiler® +, MiniFiler					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		
GQ9WH8	1	Identifiler® Plus					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
GR29ED	1	PowerPlex® 18D					
		-	20,21	-	16,17	11,13	10
		14	-	-	11,12	12,13	19
		14,15	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18	
GUQJ77	1	PowerPlex® 16					
					16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
GYZC8C	1	PowerPlex® Fusion					
		14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18	
H2F93F	1	PowerPlex® Fusion					
		14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	-	8,8	10,11	17,18	

TABLE 2

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

H6KRAN	Identifiler® Identifiler Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
H8RF3D	GLOBALFILER					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
H9MX4E	Identifiler®, GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
HB866M	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HBQANF	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HC3PTL	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
HDH3KP	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

HEAHX2	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
HER2RR	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HFFZWW	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
HJQ7UC	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
HLBZNR	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
HLT2EZ	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
HM2XM6	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

HMGMXP	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HNC7YR	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HNWGN7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HQH3GU	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HQKD7Q	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
HRVD9C	PowerPlex® 18D					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18
HWQ3R6	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

HX6GB8	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
HZ8ELZ	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
J4283V	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
J4HJK2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
J4Z3DR	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
J7E6P7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
J7T4TB	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

JC332Z	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
JFY7VM	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
JHMM6V	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
JKQBM7	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
JLPG7K	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
JXWYQE	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
K2UG4E	Identifiler®, PowerPlex® ESI 16, NGM					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
				8	10,11	17,18

TABLE 2

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

K3R2FY	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
K4H9DG	PowerPlex® 16 HS						
	1	-	-	-	16,17	11,13	10
		14	-	-	11,12	12,13	19
		-	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18	
K788HM	Identifiler®						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
K7M9KN	Identifiler®						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
K7RZY6	Globalfiler						
	1	14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18	
KBHV3W	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
KCW9VY	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	

TABLE 2

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

KDTBYH	1	PowerPlex® 16 HS					
					16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
KEXQWV	1	Identifiler® Plus					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		
KFDUQM	1	Identifiler® Plus					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
KKP7Y2	1	Identifiler® Plus					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
KL332L	1	Identifiler® Plus					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		
KNPE3C	1	GlobalFiler Express					
		14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		17,18	8	10,11	17,18		
KT7W9Z	1	Identifiler® Plus, MiniFiler					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		

TABLE 2

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

KTHHUV	PowerPlex® Fusion						
	1	14,16,3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		7,9	10,18	8	10,11	17,18	
KWLA3V	Identifiler® Plus						
	1	N/A	20,21	N/A	16,17	11,13	10,10
		14,14	N/A	N/A	11,12	12,13	19,19
		14,15	29,31	N/A	X,X	7,10	22,22
		N/A	N/A	8,8	10,11	17,18	
KWZQ72	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
KXGXD4	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
KY97D8	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
KZ69FQ	Identifiler®						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
KZYX3D	PowerPlex® 16						
	1	NA	NA	NA	16,17	11,13	10,10
		14,14	NA	NA	11,12	12,13	19,19
		NA	29,31	NA	X,X	7,10	22,22
		7,9	10,18	NA	8,8	10,11	17,18

TABLE 2

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

L7HEEN	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
L7QMQ3	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
L8YVP2	PowerPlex® 16					
1				16,17	11,13	10
				14	11,12	12,13
		29,31		X	7,10	22
		7,9	10,18	8	10,11	17,18
L99B63	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
LB2PTX	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
LBX8K2	PowerPlex® 16					
1				16,17	11,13	10
				14	11,12	12,13
		29,31		X	7,10	22
		7,9	10,18	8	10,11	17,18
LCRXQF	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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

LE3QUV	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
LEFAPL	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
LJ8BH8	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
LJAGW2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
LJD2LP	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
LKLMAK	Identifiler®, PowerPlex® Fusion, HS					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
LKM3HW	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

LMEUWM	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
LQAT4R	GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
LUNVZH	Identifiler® Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
LUQDQ8	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
LV3K4V	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10,10
	14,14	NA	NA	11,12	12,13	19,19
	14,15	29,31	NA	X,X	7,10	22,22
	NA	NA	NA	8,8	10,11	17,18
LWVDYD	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
M2PYFL	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

M68RHU	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
M69623	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
M6JNNY	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
M6PBCL	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
M72363	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
M7KTDM	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
M7XHGY	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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

MAEEUB	Identifiler®, MiniFiler					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
MBW9W7	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	[17],19
	14,15	29,[30],31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
MCN89J	Identifiler® Plus, PowerPlex® 16 HS					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MCQDQJ	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MCRBX9	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MDMQA7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
MFNB3R	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

MGXKQH	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MKXWLH	PowerPlex® 16,18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MLTENJ	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
MM446A	PowerPlex® 16 HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
MQ3HQE	Identifiler® Plus, PowerPlex® HS					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MQ6N7U	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
MQKAFV	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

MRYX3B	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
MUP8YX	Identifiler® Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18	
MWPHRD	Identifiler®						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
MX8T66	Identifiler® Direct						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	
MY2EXW	Identifiler® Plus						
	1	NA	20,21	NA	16,17	11,13	10,10
		14,14	NA	NA	11,12	12,13	19,19
		14,15	29,31	NA	X,X	7,10	22,22
	NA	NA	NA	8,8	10,11	17,18	
MY6YNK	PowerPlex® 16 HS						
	1				16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
MYZQ96	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
				8	10,11	17,18	

TABLE 2

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

MZDUT4	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
N4PMB2	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
N4UXEK	PowerPlex® HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
N7XCPQ	Identifiler® Identifiler Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
N89CJZ	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
N8Q3U6	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X,X	7,10	22
	7,9	10,18		8	10,11	17,18
NAHKAQ	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18

TABLE 2

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

NEDE67	PowerPlex® 16 HS	1			16,17	11,13	10	
			14		11,12	12,13	19	
				29,31	X	7,10	22	
			7,9	10,18	8	10,11	17,18	
NGY79W	Identifiler® Plus	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31	X	7,10	22	
					8	10,11	17,18	
NHA8V	Identifiler® IdentifilerPlus	1		20,21	16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31	X,X	7,10	22,22	
					8,8	10,11	17,18	
NHRANP	Identifiler® Plus	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31	X	7,10	22	
					8	10,11	17,18	
NLUWE8	Globalfiler Express	1	14,16.3	20,21	11,14	16,17	11,13	10,10
			14,14	12,14	17,18	11,12	12,13	19,19
			14,15	29,31	12,16	X,X	7,10	22,22
					17,18	8,8	10,11	17,18
NM74RV	PowerPlex® FUSION	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18		8	10,11	17,18
NP6AW7	Identifiler®	1		20,21	16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31	X	7,10	22	
					8	10,11	17,18	

TABLE 2

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

NPAHCL	PowerPlex® 16 HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
NQNQEU	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
NQZQ94	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
NRFKZK	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
NTAQFV	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
NV8XC8	Identifiler® Identifiler Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
NVBB7V	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

NVTUZZ	1	PowerPlex® HS					
					16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
NW6LUN	1	Identifiler® Plus					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
NXLDUF	1	Identifiler® Plus					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
NZRY38	1	PowerPlex® 16 HS					
					16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
P2JYHC	1	Identifiler®					
		N/A	20,21	N/A	16,17	11,13	10,10
		14,14	N/A	N/A	11,12	12,13	19,19
		14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18	
P2ZM2W	1	Identifiler® Plus					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		
P3CDXU	1	Identifiler® Plus, MiniFiler					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		

TABLE 2

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

P4PXR	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
P888V	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
P92X2B	GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
P9696U	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
P9G6BY	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
PAC86N	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18
PB8P7P	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18

TABLE 2

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

PC2FBJ	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
PDE86K	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
PJUXGE	COfiler® and Profiler Plus® Profiler Plus					
1				16,17	11,13	10,10
	14,14			11,12		19,19
		29,31		X,X		22,22
						17,18
PK8H9N	Identifiler® Identifiler Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
PQXUBC	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
PRT7WK	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
PTPAZT	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

PVPMBY	1	Identifiler® Plus	20,21	16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
PVU7Y3	1	Identifiler® Plus	20,21	16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
PXK276	1	PowerPlex® 16 HS		16,17	11,13	10
		14		11,12	12,13	19
			29,31	X	7,10	22
		7,9	10,18	8	10,11	17,18
PZNFBB	1	Identifiler® Plus, MiniFiler	20,21	16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
Q2FQTP	1	Identifiler® Plus	20,21	16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
Q2TTNG	1	Identifiler® Plus	20,21	16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
Q3LGTD	1	Identifiler® Plus	20,21	16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X,X	7,10	22
				8	10,11	17,18

TABLE 2

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

Q9ZBAN	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
QAQH87	Identifiler®					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
QB3R9Y	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
QBYEEB	Identifiler® Plus, Identifiler, PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
QG7VWC	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18
QGMD8Q	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
QGPHVU	Identifiler® Plus					
1		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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

QH2EYD	Identifiler® Direct					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X,X	7,10	22
				8	10,11	17,18
QJRPP7	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	--	8,8	10,11	17,18
QKTUNU	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
QMBG29	Sure ID					
1	14,16.3	20,21		16,17	11,13	10,10
	14,14		17,18	11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
QMDVJF	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
QPGQ3J	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
QQRZ4C	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18

TABLE 2

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

QR9NNW	PowerPlex® 21					
1	14,16.3	20,21		16,17	11,13	10,10
	14,14		17,18	11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
QT47PX	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
QTGWLV	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
QTKGBJ	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
QXEART	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
QY6GPB	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
QZLNYY	Identifiler®					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18

TABLE 2

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

R4W4XP	Identifiler® Plus	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
R68HEQ	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	
R6QU46	PowerPlex® Fusion	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18		8	10,11	17,18
R7PCCF	Identifiler® Plus	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
R8EM49	PowerPlex® Fusion	1	14,16.3	20,21	11,14	16,17	11,13	10
			14	12,14	17,18	11,12	12,13	19
			14,15	29,31	12,16	X	7,10	22
			7,9	10,18		8	10,11	17,18
R8WETP	Identifiler® Plus	1	20,21		16,17	11,13	10	
			14		11,12	12,13	19	
			14,15	29,31		X	7,10	22
					8	10,11	17,18	
R9RXVQ	Identifiler® Plus	1	20,21		16,17	11,13	10,10	
			14,14		11,12	12,13	19,19	
			14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18	

TABLE 2

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

RB2X3J	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
RBWX6J	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
RGHVRL	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
RHEB4H	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
RHGEUT	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
RM8ZDF	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
RMWUFE	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

RN2386	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
RR3UBG	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
RRM397	Identifiler® Plus, PowerPlex® 16, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
RTU8ZA	PowerPlex® 16					
1	N/A	N/A	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	N/A	29,31	N/A	X,X	7,10	22,22
	7,9	10,18	N/A	8,8	10,11	17,18
RUYEYP	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
RY4UXP	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
RY4JA	Identifiler® Plus, PowerPlex® 16 HS					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

RYYLJB	1	PowerPlex® 16 HS					
				16,17	11,13	10	
		14		11,12	12,13	19	
			29,31	X	7,10	22	
	7,9	10,18	8	10,11	17,18		
RYZJT7	1	Identifiler® Plus					
			20,21	16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
RZGGL7	1	Identifiler®					
			20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
			8	10,11	17,18		
RZV3V8	1	Globalfiler Express					
		14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
		17,18	8,8	10,11	17,18		
T4FLMC	1	Identifiler® Direct					
			20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X,X	7,10	22	
			8	10,11	17,18		
T7JG9Z	1	PowerPlex® Fusion					
		14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
	7,9	10,18	8	10,11	17,18		
T8BFKD	1	Identifiler® Plus, PowerPlex® 16 HS					
			20,21	16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
	7,9	10,18	8	10,11	17,18		

TABLE 2

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

T9LEG8	Identifiler®						
1		20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
TALYHU	Identifiler® Identifiler Plus						
1		20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
TCMJBF	Identifiler® Plus						
1		20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
TCR7Y2	Identifiler® Plus						
1		20,21		16,17	11,13	10	
		14		11,12	12,13	19	
		14,15	29,31	X	7,10	22	
				8	10,11	17,18	
TF8N6P	Identifiler® Plus						
1		20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
TGKAQK	GlobalFiler						
1		14,16,3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		-	-	17,18	8	10,11	17,18
TJ6P8L	Identifiler® Plus						
1		NT	20,21	NT	16,17	11,13	10,10
		14,14	NT	NT	11,12	12,13	19,19
		14,15	29,31	NT	X,X	7,10	22,22
		NT	NT	NT	8,8	10,11	17,18

TABLE 2

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

TJNZYK	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
TKJPAT	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
TLEHYK	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
TQNKXA	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
TTY9UT	COfiler® and Profiler Plus® Profiler® Plus, Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
TUPZGD	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
TWYL7K	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

TXJ7RA	Identifiler®					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X	7,10	22
	-	-	-	8	10,11	17,18
TY3GQM	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
TYJMYL	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
TZYX3K	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
U3VKXE	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
U4CGPE	Identifiler®, PowerPlex® ES117 Pro, NGM SElect					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
U4Q3YG	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

U7FTHE	PowerPlex® 16 HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
U7TBCJ	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
UB7V3Y	PowerPlex® FUSION					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
UDVTY7	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UE67XY	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
UF389X	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
UFZPY2	PowerPlex® Fusion System, NGM SElect					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18	17,18	8	10,11	17,18

TABLE 2

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

UGV4V7	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UHQM8	Identifiler®					
1	N/A	20,21	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18
UHR6MW	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UJ4BZK	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
UK3THU	PowerPlex® 21					
1	14,16.3	20,21		16,17	11,13	10,10
	14,14		17,18	11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
UKX6V3	Identifiler® ID, ID Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
UMMYMH	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

UQ44G8	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
UTMP22	PowerPlex® HS					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
UTTNR	Identifiler® DIRECT					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UVEXZ6	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UYUZ6U	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UYZYGQ	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
UZPY69	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18

TABLE 2

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

V48JRN	PowerPlex® Fusion 6C, GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X,X	7,10	22
	7,9	10,18	17,18	8	10,11	17,18
V6ZCM8	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
V6ZW6L	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
V86XED	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
V9YNJ8	Identifiler® Plus					
1	NA	20,21	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	14,15	29,31	NA	X	7,10	22
	NA	NA	NA	8	10,11	17,18
VCH2KZ	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
VDDUAR	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

VEPGWD	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
VERBDX	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
VGTE3Y	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
VJ2FAR	Globalfiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
VJH6BD	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
VLAK2U	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
VP8YNK	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18

TABLE 2

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

VT9HFK	Identifiler® Plus					
	1	20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
			8,8	10,11	17,18	
VTLFKN	Identifiler® Plus					
	1	20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
			8	10,11	17,18	
VUFZDF	Identifiler® Plus					
	1	20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
			8,8	10,11	17,18	
VUZADN	Identifiler® Plus, MiniFiler					
	1	20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
			8,8	10,11	17,18	
W6FCJM	Identifiler® Plus					
	1	20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
			8,8	10,11	17,18	
W7T2KE	PowerPlex® 16 HS					
	1			16,17	11,13	10,10
		14,14		11,12	12,13	19,19
			29,31	X,X	7,10	22,22
	7,9	10,18	8,8	10,11	17,18	
W88LDN	Identifiler® Plus					
	1	20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
			8,8	10,11	17,18	

TABLE 2

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

W8ZZGM	PowerPlex® 18D					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
WAM8RN	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
WD9WC2	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
WDMP4H	Identifiler® Plus					
1	n/a	20,21	n/a	16,17	11,13	10,10
	14,14	n/a	n/a	11,12	12,13	19,19
	14,15	29,31	n/a	X,X	7,10	22,22
	n/a	n/a	n/a	8,8	10,11	17,18
WEFRK7	Identifiler®					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X	7,10	22
	-	-	-	8	10,11	17,18
WFRF7R	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WGQ2WH	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

WJC8HU	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
WRNUJN	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WUEM7D	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WUY4LF	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WVTR2Q	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WXAG4E	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
WXC9VV	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

WXEY2D	1	Identifiler® Plus					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		
X4CFZ3	1	PowerPlex® 16 HS					
					16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
X4DBJ9	1	PowerPlex® Fusion					
		14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18	
X6RARJ	1	Identifiler® Direct, PowerPlex® ESX 17					
		14,16.3	20,21	11,14	16,17	11,13	10,10
		14,14	12,14	17,18	11,12	12,13	19,19
		14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18	
X9AA6E	1	Identifiler®					
			20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
			8	10,11	17,18		
XD646Z	1	Identifiler®					
		N/A	20,21	N/A	16,17	11,13	10,10
		14,14	N/A	N/A	11,12	12,13	19,19
		14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18	
XDLKFE	1	Identifiler® Plus, MiniFiler					
			20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
			8,8	10,11	17,18		

TABLE 2

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

XECHC7	Identifiler® Plus						
	1	NA	20,21	NA	16,17	11,13	10
		14	NA	NA	11,12	12,13	19
		14,15	29,31	NA	X	7,10	22
		NA	NA	NA	8	10,11	17,18
XEZL82	Identifiler® and Identifiler Plus						
	1		20,21		16,17	11,13	10,10
		14,14			11,12	12,13	19,19
		14,15	29,31		X,X	7,10	22,22
					8,8	10,11	17,18
XFR3EA	PowerPlex® Fusion						
	1	14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		7,9	10,18		8	10,11	17,18
XHWV7M	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
					8	10,11	17,18
XJRE8N	Identifiler® Plus						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
					8	10,11	17,18
XKLE2	PowerPlex® Fusion						
	1	14,16.3	20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	12,13	19
		14,15	29,31	12,16	X	7,10	22
		7,9	10,18		8	10,11	17,18
XLT2L8	Identifiler® Plus, PowerPlex® HS						
	1		20,21		16,17	11,13	10
		14			11,12	12,13	19
		14,15	29,31		X	7,10	22
		7,9	10,18		8	10,11	17,18

TABLE 2

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

XMP8CZ	PowerPlex® 16 HS, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
XPE4UJ	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
XQRPNF	PowerPlex® Hot Start					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
XV337D	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
XV3NXZ	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
XWJW8N	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
XX8GPD	GlobalFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18

TABLE 2

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

XYJN22	Identifiler®, PowerPlex® Fusion, MiniFiler					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
XZFY2B	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Y49MT2	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
Y6P64F	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
Y7F3Z8	PowerPlex® 16					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
Y7XXKU	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
Y8Y7B8	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

YC7WDD	PowerPlex® 16 Hot Start					
1				16,17	11,13	10,10
	14,14			11,12	12,13	19,19
		29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
YDHHY9	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
YFBEKL	PowerPlex® ESX16 Fast					
1	14,16.3	20,21	11,14	16,17		
	14	12,14	17,18		12,13	19
	14,15	29,31	12,16	X		22
				8		17,18
YFM989	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
YGVYWY	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
YGZQBE	Identifiler® Plus					
1	-	20,21	-	16,17	11,13	10,10
	14,14	-	-	11,12	12,13	19,19
	14,15	29,31	-	X,X	7,10	22,22
	-	-	-	8,8	10,11	17,18
YJLWU6	GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18

TABLE 2

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

YLCPJY	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
YMRZKD	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
YNZT2R	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
YPC2DE	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
YQN9P3	Identifiler®					
1	N/A	20,21	N/A	16,17	11,13	10,10
	14,14	N/A	N/A	11,12	12,13	19,19
	14,15	29,31	N/A	X,X	7,10	22,22
	N/A	N/A	N/A	8,8	10,11	17,18
YTQ4A6	Identifiler® Direct					
1	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
YVGEZX	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18	-	8,8	10,11	17,18

TABLE 2

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

YVXBRX	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
YZDTVZ	PowerPlex® HS, Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
YZVB7E	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z4RJL9	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z7J7QH	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
Z9LKZN	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZAE7FD	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

ZBQFH7	Identifiler® Plus					
1	N/A	20,21	N/A	16,17	11,13	10
	14	N/A	N/A	11,12	12,13	19
	14,15	29,31	N/A	X	7,10	22
	N/A	N/A	N/A	8	10,11	17,18
ZC2FGL	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZDFA8Z	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
ZF3J99	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
ZFZJK2	PowerPlex® Fusion					
1	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X,X	7,10	22
	7,9	10,18		8	10,11	17,18
ZG2ZQH	Identifiler® Direct					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZKFPX9	Identifiler® Plus					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

ZM2BQV	GlobalFiler Express					
1	14,16.3	20,21	11,14	16,17	11,13	10,10
	14,14	12,14	17,18	11,12	12,13	19,19
	14,15	29,31	12,16	X,X	7,10	22,22
			17,18	8,8	10,11	17,18
ZNXBTV	PowerPlex® ESI 16					
1	14,16.3	20,21	11,14	16,17	/	/
	14	12,14	17,18	/	12,13	19
	14,15	29,31	12,16	X	/	22
	/	/	/	8	/	17,18
ZPPE6	Identifiler®					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
ZQHDJ2	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZRC69T	PowerPlex® PP21					
1	14,16.3	20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
ZRYNWT	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZRYVUE	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18

TABLE 2

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

Z TTLZU	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z TXF9	PowerPlex® 16 HS					
1	-	-	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	-	29,31	-	X	7,10	22
	7,9	10,18	-	8	10,11	17,18
Z VHU8A	Identifiler®					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z VX7PE	Identifiler® Plus, MiniFiler					
1		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
Z VYYRT	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z WRWVT	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
Z WW6B9	PowerPlex® 16 HS					
1	NA	NA	NA	16,17	11,13	10
	14	NA	NA	11,12	12,13	19
	NA	29,31	NA	X	7,10	22
	7,9	10,18	NA	8	10,11	17,18

TABLE 2

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

ZXZC3Z	PowerPlex® 16 HS					
1				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
ZY2ZRQ	Identifiler® Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
ZYCJFN	Identifiler® ID Plus					
1		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X,X	7,10	22
				8	10,11	17,18
ZYYP29	PowerPlex® ESI16					
1	14,16.3	20,21	11,14	16,17		
	14	12,14	17,18		12,13	19
	14,15	29,31	12,16	X		22
				8		17,18

TABLE 2

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

22XJV	PowerPlex® PP16 HS and PP Fusion					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
23FU9N	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
24AF2E	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
26XVRV	PowerPlex® 16 HS, Fusion					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
2DXP8M	GlobalFiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
2E3PZ3	COfiler® and Profiler Plus® 10 Loci					
2				16,16	11,12	9,11
	14,14			11,11		17,18
		28,29		X,Y		24,24
						15,18
2E8XEG	Globalfiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18

TABLE 2

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

2H8RAH	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2J2D4A	PowerPlex® 16 HS					
2				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
2JXZ8Z	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
2KPFMX	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
2L2XHT	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
2M2NYA	PowerPlex® 16 HS					
2				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
2MWGJU	GlobalFiler Express					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
				19,20	7,8	8,9
						15,18

TABLE 2

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

2P8QN9	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2QH4BM	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2RQMAD	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2RUTQT	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
2RY23L	PowerPlex®, GlobalFiler					
2		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
				19,20	7,8	8,9
2WJEBZ	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
2WN7DW	Identifiler®					
2		N/A	16,22	N/A	16,16	11,12
		14,14	N/A	N/A	11,11	11,11
		13,14	28,29	N/A	X,Y	10,12
		N/A	N/A	N/A	7,8	8,9

TABLE 2

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

2WR8DH	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
2XHWJB	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
2XWJTD	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2YQ6PP	PowerPlex® Fusion					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
2Z6QZC	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
32Y6DA	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
342NZ4	Profiler Plus®					
2				16,16	11,12	9,11
				11,11		17,18
		28,29		X,Y		24,24
						15,18

TABLE 2

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

34XKCC	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
36CG4H	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
3773WA	Identifiler®					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
3ABCXJ	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
3AKXC7	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
3BGDMH	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
3DAPLA	Identifiler® Identifiler Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

3FJQQF	2	Identifiler® Direct					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
3HFPWU	2	Identifiler® Plus					
		NT	16,22	NT	16	11,12	9,11
		14	NT	NT	11	11	17,18
		13,14	28,29	NT	X,Y	10,12	24
			7,8	8,9	15,18		
3LH799	2	Identifiler® Plus, MiniFiler					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
3MDVJG	2	Globalfiler					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18	
3MWQ2J	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
3NMY2	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
3QF34N	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

3TNXJR	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
3UHKF4	2	PowerPlex® 16 HS					
		-	-	-	16	11,12	9,11
		14	-	-	11	11	17,18
		-	28,29	-	X,Y	10,12	24
	11,12	8,14	-	7,8	8,9	15,18	
3UV3AA	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
3UZNVG	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
3Z2D64	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
3Z4LC9	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
3ZEK7G	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

42MEMW	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
42T3AM	Identifiler®					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
43NQG7	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
44WFUN	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
44X3X2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
46C7UD	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
46UM39	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

47ND72	Identifiler® Plus, PowerPlex® 16 HS					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
48487G	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
4CQMEF	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
4D6H7U	GlobalFiler Express					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18
4DMQWA	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
4DP967	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
4GM7GD	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

4GZZWE	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4JPA39	Identifiler®, GlobalFiler					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
			19,20	7,8	8,9	15,18
4Q87ZA	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
4Q9BND	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4V269D	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
62L46Y	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
62NCC4	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

63Y8ZG	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
66TTU8	PowerPlex® 16 HS					
2				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
68NDBQ	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
68WDT2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6AXJ97	PowerPlex® HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
6BAQHA	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6DGVQ9	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

6EHF8H	2	PowerPlex® 21					
		15,15	16,22		16,16	11,12	9,11
		14,14		17.3,20	11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
		11,12	8,14		7,8	8,9	15,18
6FDVKF	2	Identifiler® Direct					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
6GGE33	2	Identifiler®					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
6HAXTN	2	Identifiler®					
		14,14	16,22		16,16	11,12	9,11
		13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18
6KFQX3	2	Identifiler®					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
6KHQ8V	2	PowerPlex® 16 HS					
		14			16	11,12	9,11
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
6MRQEN	2	Identifiler® Plus					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18

TABLE 2

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

6Q76H4	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6R34WM	Identifiler®, Direct					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6RH6W4	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6RXQ76	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6TZA3	PowerPlex® 16 HS					
2	not tested	not tested	not tested	16	11,12	9,11
	14	not tested	not tested	11	11	17,18
	not tested	28,29	not tested	X,Y	10,12	24
	11,12	8,14	not tested	7,8	8,9	15,18
6U3NN9	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6UADAD	Identifiler® DIRECT					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

6V3REC	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
6VY8QA	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
6WTHE3	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
6XPXE	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
7233W8	PowerPlex® Fusion						
	2	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
				7,8	8,9	15,18	
73EA9V	Identifiler® Plus, MiniFiler						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
73GDZ7	PowerPlex® 16 HS						
	2				16,16	11,12	9,11
		14,14			11,11	11,11	17,18
			28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

74PFXY	PowerPlex® 18D					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
74UUBY	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
77YM3C	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
78NMQU	Identifiler®					
2	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18
7DYXJ3	PowerPlex® 16 HS					
2				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
7EUFL6	GlobalFiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
7F4799	Identifiler® Direct					
2	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18

TABLE 2

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

7F7DQ9	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
7GBN74	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7HR3BL	Identifiler® Direct					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
7J4U33	PowerPlex® 16 HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
7JMPK6	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7KV2ZK	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
7KX2AF	Identifiler® Plus, PowerPlex® 18D					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

7LA9L3	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
7NW334	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
7NXV6H	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
7PPBHT	Identifiler®, Identifiler Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
7U39PF	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
7UFBK9	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
7X394R	PowerPlex® Fusion					
2		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14	-	7,8	8,9
						15,18

TABLE 2

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

84P3LF	PowerPlex® 21	2	15,15	16,22		16,16	11,12	9,11
			14,14		17.3,20	11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
			11,12	8,14		7,8	8,9	15,18
863G84	Identifiler® Plus	2		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
86Z93K	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
8ADGGN	Globalfiler	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
8AQDLT	PowerPlex® 16 HS	2				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
8ATRH3	PowerPlex® HS	2				16,16	11,12	9,11
			14,14			11,11	11,11	17,18
				28,29		X,Y	10,12	24,24
			11,12	8,14		7,8	8,9	15,18
8B76N7	Identifiler® Plus	2		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

8E6YH8	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
8EQFWN	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
8F2FTH	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
8FFQMG	PowerPlex® Fusion					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	NT	7,8	15,18
8FXC4T	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
8GTU7U	Identifiler®					
2		16,22	N/A	16,16	11,12	9,11
		14,14	N/A	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		N/A	N/A	7,8	8,9	15,18
8JZYJ	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

8LLYYY	Identifiler® Plus, PowerPlex® HS,Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
8N7TRT	PowerPlex® 16					
2	N/A	N/A	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	N/A	28,29	N/A	X,Y	10,12	24,24
	11,12	8,14	N/A	7,8	8,9	15,18
8TQEL7	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
8ULXN8	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
8UUFMX	Identifiler®, PowerPlex® 16 HS, Fusion5C					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
8UXJBN	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
8VAQNC	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

8Z9MA3	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
934B6X	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
972VRU	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
986N2F	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
99R8JM	Identifiler® Plus					
2		16,22		16	11,12	9,11
				11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
99U9QK	PowerPlex® 16 HS					
2				16	11,12	9,11
				11	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
9B43MK	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

9CUJMK	2	PowerPlex® 16 HS					
		14			16	11,12	9,11
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
9EGFEE	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
9F8MBW	2	Identifiler® , Plus, PowerPlex® HS, MiniFiler					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
9FTE73	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
9J2QNH	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
9L3BFH	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
			7,8	8,9	15,18		
9LKU9A	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		

TABLE 2

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

9LYXLV	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
9MDACD	Identifiler® +	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
9PHL6D	Identifiler®, ID+	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
9QTBHX	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
9U4YEG	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
9V9DFA	Identifiler® Direct, PowerPlex® ESX17	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
9W3Y9Z	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	

TABLE 2

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

9WGXD3	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
9Y8NBA	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
A2BE33	Identifiler®					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
A8FKV7	Identifiler® Plus					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18
A8ZQ4P	Globalfiler express					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18
A9ARBH	Identifiler® Direct					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
AA3PEH	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

AA8XUX	PowerPlex® 16 HS					
2	-	-	-	16	11,12	9,11
	14	-	-	11	11	17,18
	-	28,29	-	X,Y	10,12	24
	11,12	8,14	-	7,8	8,9	15,18
ACAHKX	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
AD6MPB	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ADLEP3	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ADPD7B	GlobalFiler					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18
AEKV8C	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
AFNM37	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

AJUYA8	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
AK3RN2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
AKL78P	GlobalFiler Express					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
				19,20	7,8	8,9
						24
						15,18
AM8HW2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
AMPHRQ	PowerPlex® 16					
2		N/A	N/A	N/A	16,16	11,12
		14,14	N/A	N/A	11,11	11,11
		N/A	28,29	N/A	X,Y	10,12
		11,12	8,14	N/A	7,8	8,9
						24,24
						15,18
AQ9U3V	PowerPlex® 18D					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
AQPAV3	Globalfiler					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
				19,20	7,8	8,9
						24
						15,18

TABLE 2

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

AXDTF7	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
AXRBHB	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
AZYF4C	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
B2CGHY	PowerPlex® HS					
2				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
B6PD79	Identifiler® Direct					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
B72FT3	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
B7XV6Y	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

B8R7R7	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
BAKX6X	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
BBU8TP	PowerPlex® 16 HS	2			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
BDEG7Q	PowerPlex® 16	2	NA	NA	NA	16,16	11,12	9,11
			14,14	NA	NA	11,11	11,11	17,18
			NA	28,29	NA	X,Y	10,12	24,24
			11,12	8,14	NA	7,8	8,9	15,18
BET3FR	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
BGGXFK	GlobalFiler	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
BJPYMC	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

BM6D9X	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
BNGC47	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
BPFBNZ	Globalfiler						
	2	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
BPVU7C	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
BRWEYX	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
C4PXD4	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
C6HZUQ	Identifiler®						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	

TABLE 2

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

C6TWUC	PowerPlex®, Globalfiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
C8NGBV	PowerPlex® 16					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
C9KH4K	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
C9KH77	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
CAE4YX	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
CAYZAC	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
CBUHBD	Identifiler®, GlobalFiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	-	-	19,20	7,8	8,9	15,18

TABLE 2

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

CEPAJA	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
CFKWTT	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
CGJVC2	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
CGXBG3	PowerPlex® 16 HS						
	2				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
CHBBPD	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
CHTUJ4	PowerPlex® Fusion						
	2	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
CLPD83	Identifiler® Direct						
	2	-	16,22	-	16	11,12	9,11
		14	-	-	11	11	17,18
		13,14	28,29	-	X,Y	10,12	24
		-	-	-	7,8	8,9	15,18

TABLE 2

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

CM2R24	Identifiler® Identifiler Direct					
2	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18
CNZC6B	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
CPP7JL	PowerPlex® Fusion					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14	---	7,8	8,9	15,18
CQFMGZ	Identifiler® Direct					
2	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18
CQJFN2	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
D22PFR	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
D2YGB9	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

D38282	PowerPlex® HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
D7CPPD	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
DACZHR	Identifiler® Identifiler Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
DATL2N	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
DEPKYD	PowerPlex® 21					
2	15,15	16,22		16,16	11,12	9,11
	14,14		17.3,20	11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
DF4VTC	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
DQ2YW7	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

DRR7UN	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
DVTMGD	PowerPlex® Fusion	2	16,22	11,14	16	11,12	9,11	
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
DW2UJ7	GlobalFiler	2	16,22	11,14	16	11,12	9,11	
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
DXZB6W	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
DYC3YX	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
DYZ2YW	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
DZN2U8	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	

TABLE 2

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

E2BF3W	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
E7NF39	Identifiler® Plus, MiniFiler						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
ECYM28	Identifiler® Plus, MiniFiler						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
EDM8JW	PowerPlex® 16, HS						
	2				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
EEY6VT	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
EHZHN8	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
EJCHK2	Identifiler® Plus						
	2	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18
		13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18	

TABLE 2

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

ELQWUB	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
EQF26K	Identifiler® IDPlus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
EQJ6WV	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ET2EY2	Identifiler® Plus					
2	NA	16,22	NA	16,16	11,12	9,11
	14,14	NA	NA	11,11	11,11	17,18
	13,14	28,29	NA	X,Y	10,12	24,24
	NA	NA	NA	7,8	8,9	15,18
ETMJ72	Identifiler® Plus					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18
ETVTUT	Identifiler® ID28					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
EVQEMJ	Identifiler®, PowerPlex® Fusion, MiniFiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

EW8PZC	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
EXB48W	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
EZ3JXD	Identifiler® Direct	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
EZ3LMG	PowerPlex® 16 HS	2			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
EZMBU4	Identifiler® Direct	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
F38QFW	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
F4DT4V	PowerPlex® ESI-17Fast, ESX-17Fast	2	15	16,22	11,14	16		
			14	12,13	17.3,20		11	17,18
			13,14	28,29	14,15	X,Y		24
					19,20	7,8		15,18

TABLE 2

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

F4HHJ7	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
F4Z4ZH	2	Identifiler® ID, ID Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
F6RR8W	2	PowerPlex® PP16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
F73HL8	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
F78YJ7	2	Identifiler®					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
F9Q34W	2	PowerPlex® 16 HS, Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
FAMQVN	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

FFR7HV	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
FG7QB7	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
FHZB9D	2	Identifiler® ID Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
FLFTBF	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
FLFTD2	2	Identifiler® Plus					
		no profile	16,22	no profile	16,16	11,12	9,11
		14,14	no profile	no profile	11,11	11,11	17,18
		13,14	28,29	no profile	X,Y	10,12	24,24
	no profile	no profile	no profile	7,8	8,9	15,18	
FM72BJ	2	GlobalFiler Express					
		15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
FMBV66	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

FMCAND	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FRPWDB	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FRRUH6	COfiler® and Profiler Plus® Profiler® Plus, Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FTH3H9	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FTWEC8	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FU8FX7	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FXR6HH	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

FY78DC	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
FZX6PP	2	Identifiler® 1510189					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
GA4VXY	2	Identifiler® Plus					
		N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
		N/A	N/A	7,8	8,9	15,18	
GAZPHK	2	Identifiler® Plus, PowerPlex® 16					
		N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
		11,12	8,14	N/A	7,8	8,9	15,18
GDG8LM	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
GK4G96	2	Identifiler® Plus, MiniFiler					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
GKJPAR	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

GKZXZ8	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
GM6YAZ	Identifiler® +, MiniFiler	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
GQ9WH8	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
GR29ED	PowerPlex® 18D	2	-	16,22	-	16	11,12	9,11
			14	-	-	11	11	17,18
			13,14	28,29	-	X,Y	10,12	24
			11,12	8,14	-	7,8	8,9	15,18
GUQJ77	PowerPlex® 16	2				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
GYZC8C	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
H2F93F	PowerPlex® Fusion	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
			11,12	8,14	-	7,8	8,9	15,18

TABLE 2

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

H6KRAN	2	Identifiler® Identifiler Plus					
		NA	16,22	NA	16	11,12	9,11
		14	NA	NA	11	11	17,18
		13,14	28,29	NA	X,Y	10,12	24
		NA	NA	NA	7,8	8,9	15,18
H8RF3D	2	GLOBALFILER					
		15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
				19,20	7,8	8,9	15,18
H9MX4E	2	Identifiler®, GlobalFiler Express					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
				19,20	7,8	8,9	15,18
HB866M	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
HBQANF	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
HC3PTL	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
HDH3KP	2	PowerPlex® 18D					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18

TABLE 2

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

HEAHX2	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
HER2RR	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
HFFZWW	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
HJQ7UC	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18		
HLBZNR	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
HLT2EZ	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
HM2XM6	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18		

TABLE 2

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

HMGMXP	Identifiler®					
	2		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
HNC7YR	Identifiler®					
	2		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
HNWGN7	Identifiler® Plus					
	2		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
HQH3GU	Identifiler®					
	2		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
HQKD7Q	Identifiler® Plus					
	2		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
HRVD9C	PowerPlex® 18D					
	2	-	16,22	-	16	11,12
		14	-	-	11	11
		13,14	28,29	-	X,Y	10,12
			-	7,8	8,9	
		8,14	-		15,18	
HWQ3R6	Identifiler® Plus					
	2		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	

TABLE 2

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

HX6GB8	Identifiler®						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
HZ8ELZ	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
J4283V	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
J4HJK2	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
J4Z3DR	PowerPlex® 16 HS						
	2				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
J7E6P7	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
J7T4TB	PowerPlex® Fusion						
	2	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

JC332Z	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
JFY7VM	PowerPlex® Fusion					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
JHMM6V	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
JKQBM7	PowerPlex® FUSION					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
JLPG7K	PowerPlex® Fusion					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
JXWYQE	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
K2UG4E	Identifiler®, PowerPlex® ESI 16, NGM					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
				7,8	8,9	15,18

TABLE 2

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

K3R2FY	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	
K4H9DG	PowerPlex® 16 HS	2	-	-	16	11,12	9,11	
			14	-	11	11	17,18	
			-	28,29	-	X,Y	10,12	24
			11,12	8,14	-	7,8	8,9	15,18
K788HM	Identifiler®	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	
K7M9KN	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
					7,8	8,9	15,18	
K7RZY6	GlobalFiler	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
KBHV3W	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	
KCW9VY	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	

TABLE 2

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

KDTBYH	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
KEXQWV	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
KFDUQM	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
KKP7Y2	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
KL332L	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
KNPE3C	2	GlobalFiler Express					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17,3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18	
KT7W9Z	2	Identifiler® Plus, MiniFiler					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

KTHHUV	PowerPlex® Fusion						
	2	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
KWLA3V	Identifiler® Plus						
	2	N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
		N/A	N/A	7,8	8,9	15,18	
KWZQ72	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
KXGXD4	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
KY97D8	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
KZ69FQ	Identifiler®						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
KZYX3D	PowerPlex® 16						
	2	NA	NA	NA	16,16	11,12	9,11
		14,14	NA	NA	11,11	11,11	17,18
		NA	28,29	NA	X,Y	10,12	24,24
		11,12	8,14	NA	7,8	8,9	15,18

TABLE 2

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

L7HEEN	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
L7QM3	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
L8YVP2	PowerPlex® 16					
2				16	11,12	9,11
				14	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
L99B63	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
LB2PTX	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
LBX8K2	PowerPlex® 16					
2				16	11,12	9,11
				14	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
LCRXQF	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

LE3QUV	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LEFAPL	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
LJ8BH8	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
LJAGW2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LJD2LP	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
LKLMAK	Identifiler®, PowerPlex® Fusion, HS					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
LKM3HW	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

LMEUWM	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LQAT4R	GlobalFiler					
2		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
			19,20	7,8	8,9	15,18
LUNVZH	Identifiler® Direct					
2		16,22	-	16	11,12	9,11
		14	-	11	11	17,18
		13,14	28,29	-	X,Y	24
		-	-	-	7,8	15,18
LUQDQ8	Identifiler®					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LV3K4V	Identifiler® Plus					
2		16,22	NA	16,16	11,12	9,11
		14,14	NA	11,11	11,11	17,18
		13,14	28,29	NA	X,Y	24,24
		NA	NA	NA	7,8	15,18
LWVDYD	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M2PYFL	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

M68RHU	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
M69623	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M6JNNY	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M6PBCL	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M72363	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M7KTDM	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M7XHGY	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

MAEEUB	Identifiler®, MiniFiler					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
MBW9W7	PowerPlex® Fusion					
2		16,22	11,14	[9],16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
MCN89J	Identifiler® Plus, PowerPlex® 16 HS					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
MCQDQJ	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
MCRBX9	PowerPlex® 18D					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
MDMQA7	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
MFNB3R	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

MGXKQH	PowerPlex® 18D					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
MKXWLH	PowerPlex® 16,18D					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
MLTENJ	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
MM446A	PowerPlex® 16 HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
MQ3HQE	Identifiler® Plus, PowerPlex® HS					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
MQ6N7U	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
MQKAFV	Identifiler® Plus, MiniFiler					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

MRYX3B	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
MUP8YX	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
MWPHRD	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
MX8T66	Identifiler® Direct	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
MY2EXW	Identifiler® Plus	2	NA	16,22	NA	16,16	11,12	9,11
			14,14	NA	NA	11,11	11,11	17,18
			13,14	28,29	NA	X,Y	10,12	24,24
			NA	NA	NA	7,8	8,9	15,18
MY6YNK	PowerPlex® 16 HS	2			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
MYZQ96	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	

TABLE 2

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

MZDUT4	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
N4PMB2	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
N4UXEK	PowerPlex® HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
N7XCPQ	Identifiler® Identifiler Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
N89CJZ	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
N8Q3U6	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
NAHKAQ	Identifiler® Plus					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18

TABLE 2

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

NEDE67	2	PowerPlex® 16 HS					
		14			16	11,12	9,11
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
NGY79W	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NHA8V	2	Identifiler® IdentifilerPlus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
NHRANP	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NLUWE8	2	Globalfiler Express					
		15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
		19,20	7,8	8,9	15,18		
NM74RV	2	PowerPlex® FUSION					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
NP6AW7	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

NPAHCL	2	PowerPlex® 16 HS					
					16,16	11,12	9,11
		14,14			11,11	11,11	17,18
			28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18	
NQNQEU	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NQZQ94	2	Identifiler®					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NRFKZK	2	Identifiler® Plus, MiniFiler					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NTAQFV	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
NV8XC8	2	Identifiler® Identifiler Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
NVBB7V	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

NVTUZZ	2	PowerPlex® HS					
				16	11,12	9,11	
		14		11	11	17,18	
			28,29	X,Y	10,12	24	
	11,12	8,14	7,8	8,9	15,18		
NW6LUN	2	Identifiler® Plus					
			16,22	16	11,12	9,11	
		14		11	11	17,18	
		13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18		
NXLDUF	2	Identifiler® Plus					
			16,22	16	11,12	9,11	
		14		11	11	17,18	
		13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18		
NZRY38	2	PowerPlex® 16 HS					
				16	11,12	9,11	
		14		11	11	17,18	
			28,29	X,Y	10,12	24	
	11,12	8,14	7,8	8,9	15,18		
P2JYHC	2	Identifiler®					
		N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18	
P2ZM2W	2	Identifiler® Plus					
			16,22	16,16	11,12	9,11	
		14,14		11,11	11,11	17,18	
		13,14	28,29	X,Y	10,12	24,24	
			7,8	8,9	15,18		
P3CDXU	2	Identifiler® Plus, MiniFiler					
			16,22	16	11,12	9,11	
		14		11	11	17,18	
		13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18		

TABLE 2

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

P4PXP	2	PowerPlex® Fusion	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18	
		13,14	28,29	14,15	X,Y	10,12	24	
		11,12	8,14		7,8	8,9	15,18	
P888V	2	PowerPlex® Fusion	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18	
		13,14	28,29	14,15	X,Y	10,12	24	
		11,12	8,14		7,8	8,9	15,18	
P92X2B	2	GlobalFiler Express	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18	
		13,14	28,29	14,15	X,Y	10,12	24,24	
				19,20	7,8	8,9	15,18	
P9696U	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
P9G6BY	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
PAC86N	2	Identifiler® Plus	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18	
		13,14	28,29	-	X,Y	10,12	24,24	
		-	-	-	7,8	8,9	15,18	
PB8P7P	2	Identifiler® Plus	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18	
		13,14	28,29	-	X,Y	10,12	24,24	
		-	-	-	7,8	8,9	15,18	

TABLE 2

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

PC2FBJ	Identifiler®	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
					7,8	8,9	15,18
PDE86K	Identifiler® Plus	2	16,22	16,16	11,12	9,11	
			14,14	11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18
PJUXGE	COfiler® and Profiler Plus® Profiler Plus	2		16,16	11,12	9,11	
				14,14	11,11	17,18	
			28,29	X,Y		24,24	
						15,18	
PK8H9N	Identifiler® Identifiler Plus	2	16,22	16,16	11,12	9,11	
			14,14	11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18
PQXUBC	Identifiler® Plus, MiniFiler	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
					7,8	8,9	15,18
PRT7WK	Identifiler®	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
					7,8	8,9	15,18
PTPAZT	Identifiler® Plus	2	16,22	16,16	11,12	9,11	
			14,14	11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18

TABLE 2

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

PVPMBY	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
PVU7Y3	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
PXK276	2	PowerPlex® 16 HS					
					16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
PZNFFB	2	Identifiler® Plus, MiniFiler					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		
Q2FQTP	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
Q2TTNG	2	Identifiler® Plus					
			16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
			7,8	8,9	15,18		
Q3LGTD	2	Identifiler® Plus					
			16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
			7,8	8,9	15,18		

TABLE 2

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

Q9ZBAN	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
QAQH87						
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QB3R9Y	PowerPlex® Fusion					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14	7,8	8,9	15,18
QBYEEB	Identifiler® Plus, Identifiler, PowerPlex® Fusion					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14	7,8	8,9	15,18
QG7VWC	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QGMD8Q	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
QGPHVU	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

QH2EYD	Identifiler® Direct					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QJRPP7	PowerPlex® Fusion					
2		16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	17,18
		13,14	28,29	14,15	X,Y	24,24
		11,12	8,14	--	7,8	8,9
QKTUNU	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QMBG29	Sure ID					
2		16,22		16,16	11,12	9,11
		14,14	17.3,20	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
QMDVJF	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QPGQ3J	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QQRZ4C	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18

TABLE 2

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

QR9NNW	PowerPlex® 21					
2	15,15	16,22		16,16	11,12	9,11
	14,14		17.3,20	11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
QT47PX	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
QTGWLV	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
QTKGBJ	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
QXEART	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
QY6GPB	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
QZLNYY	Identifiler®					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18

TABLE 2

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

R4W4XP	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
R68HEQ	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
R6QU46	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
R7PCCF	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
R8EM49	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
R8WETP	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
R9RXVQ	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	

TABLE 2

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

RB2X3J	Identifiler® Plus					
	2	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
RBWX6J	PowerPlex® Fusion					
	2	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
	11,12	8,14	7,8	8,9	15,18	
RGHVRL	Identifiler® Plus					
	2	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
RHEB4H	Identifiler®					
	2	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
RHGEUT	Identifiler® Plus, MiniFiler					
	2	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
RM8ZDF	Identifiler® Plus					
	2	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
RMWUFE	Identifiler® Plus					
	2	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	

TABLE 2

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

RN2386	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RR3UBG	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RRM397	Identifiler® Plus, PowerPlex® 16, Fusion					
2		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14		7,8	8,9
RTU8ZA	PowerPlex® 16					
2		N/A	N/A	N/A	16,16	11,12
		14,14	N/A	N/A	11,11	11,11
		N/A	28,29	N/A	X,Y	10,12
		11,12	8,14	N/A	7,8	8,9
RUYEYP	Identifiler® Plus					
2		14,14	28,29	9,11	10,12	16,16
		11,11	11,11	16,22	13,14	15,18
		17,18	x,y	11,12	24,24	7,8
						8,9
RY4UXP	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
RY4JA	Identifiler® Plus, PowerPlex® 16 HS					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

RYYLJB	2	PowerPlex® 16 HS					
		14			16	11,12	9,11
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
RYZJT7	2	Identifiler® Plus					
		14,14	16,22		16,16	11,12	9,11
		13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18
RZGGL7	2	Identifiler®					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
RZV3V8	2	Globalfiler Express					
		15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
		19,20	7,8	8,9	15,18		
T4FLMC	2	Identifiler® Direct					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
T7JG9Z	2	PowerPlex® Fusion					
		15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
T8BFKD	2	Identifiler® Plus, PowerPlex® 16 HS					
		14	16,22		16	11,12	9,11
		13,14	28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18

TABLE 2

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

T9LEG8	Identifiler®	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
TALYHU	Identifiler® Identifiler Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
TCMJBF	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
TCR7Y2	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
TF8N6P	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
TGKAQK	GlobalFiler	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			-	-	19,20	7,8	8,9	15,18
TJ6P8L	Identifiler® Plus	2	NT	16,22	NT	16,16	11,12	9,11
			14,14	NT	NT	11,11	11,11	17,18
			13,14	28,29	NT	X,Y	10,12	24,24
			NT	NT	NT	7,8	8,9	15,18

TABLE 2

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

TJNZYK	Identifiler® Plus	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18	
TKJPAT	Identifiler® Plus	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18	
TLEHYK	Identifiler® Plus	2	16,22	16,16	11,12	9,11	
			14,14	11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18	
TQNKXA	PowerPlex® 16 HS	2		16	11,12	9,11	
			14	11	11	17,18	
			28,29	X,Y	10,12	24	
			11,12	8,14	7,8	8,9	15,18
TTY9UT	COfiler® and Profiler Plus® Profiler® Plus, Identifiler® Plus, MiniFiler	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18	
TUPZGD	Identifiler® Plus	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18	
TWYL7K	Identifiler® Plus	2	16,22	16	11,12	9,11	
			14	11	11	17,18	
			13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18	

TABLE 2

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

TXJ7RA	Identifiler®	2	-	16,22	-	16	11,12	9,11
			14	-	-	11	11	17,18
			13,14	28,29	-	X,Y	10,12	24
			-	-	-	7,8	8,9	15,18
TY3GQM	Identifiler® Plus	2		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
TYJMYL	PowerPlex® 16 HS	2				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
TZYX3K	Identifiler® Plus	2		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
U3VKXE	Identifiler® Plus	2		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
U4CGPE	Identifiler®, PowerPlex® ESI17 Pro, NGM SElect	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
U4Q3YG	Identifiler® Plus	2		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

U7FTHE	PowerPlex® 16 HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
U7TBCJ	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
UB7V3Y	PowerPlex® FUSION					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
UDVTY7	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UE67XY	PowerPlex® Fusion					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
UF389X	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
UFZPY2	PowerPlex® Fusion System, NGM SElect					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14	19,20	7,8	8,9	15,18

TABLE 2

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

UGV4V7	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
UHQMW8	Identifiler®						
	2	N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18	
UHR6MW	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
UJ4BZK	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
UK3THU	PowerPlex® 21						
	2	15,15	16,22		16,16	11,12	9,11
		14,14		17.3,20	11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18	
UKX6V3	Identifiler® ID, ID Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
UMMYMH	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	

TABLE 2

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

UQ44G8	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
UTMP22	PowerPlex® HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
UTTENR	Identifiler® DIRECT					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UVEXZ6	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UYUZ6U	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UYZYGQ	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UZPY69	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18

TABLE 2

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

V48JRN	PowerPlex® Fusion 6C, GlobalFiler					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17,3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14	19,20	7,8	8,9	15,18
V6ZCM8	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
V6ZW6L	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
V86XED	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
V9YNJ8	Identifiler® Plus					
2	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
VCH2KZ	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
VDDUAR	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

VEPGWD	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
VERBDX	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VGTE3Y	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
VJ2FAR	Y Indel from Globalflier					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
VJH6BD	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VLAK2U	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VP8YNK	Identifiler® Plus					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18

TABLE 2

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

VT9HFK	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
VTLFKN	Identifiler® Plus						
	2		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
VUFZDF	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
VUZADN	Identifiler® Plus, MiniFiler						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
W6FCJM	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
W7T2KE	PowerPlex® 16 HS						
	2				16,16	11,12	9,11
		14,14			11,11	11,11	17,18
			28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18	
W88LDN	Identifiler® Plus						
	2		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

W8ZZGM	PowerPlex® 18D	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
WAM8RN	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
WD9WC2	Identifiler® Plus	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
WDMP4H	Identifiler® Plus	2	n/a	16,22	n/a	16,16	11,12	9,11
			14,14	n/a	n/a	11,11	11,11	17,18
			13,14	28,29	n/a	X,Y	10,12	24,24
			n/a	n/a	n/a	7,8	8,9	15,18
WEFRK7	Identifiler®	2	-	16,22	-	16	11,12	9,11
			14	-	-	11	11	17,18
			13,14	28,29	-	X,Y	10,12	24
			-	-	-	7,8	8,9	15,18
WFRF7R	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
WGQ2WH	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

WJC8HU	2	PowerPlex® Fusion	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18	
		13,14	28,29	14,15	X,Y	10,12	24	
		11,12	8,14		7,8	8,9	15,18	
WRNUJN	2	Identifiler® Plus, MiniFiler		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
WUEM7D	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
WUY4LF	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
WVTR2Q	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
WXAG4E	2	Identifiler® Plus		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18	
		13,14	28,29		X,Y	10,12	24,24	
					7,8	8,9	15,18	
WXC9VV	2	PowerPlex® Fusion	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18	
		13,14	28,29	14,15	X,Y	10,12	24	
		11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

WXEY2D	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	
X4CFZ3	PowerPlex® 16 HS	2			16	11,12	9,11	
			14		11	11	17,18	
				28,29	X,Y	10,12	24	
			11,12	8,14	7,8	8,9	15,18	
X4DBJ9	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14	7,8	8,9	15,18	
X6RARJ	Identifiler® Direct, PowerPlex® ESX 17	2	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
X9AA6E	Identifiler®	2	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
					7,8	8,9	15,18	
XD646Z	Identifiler®	2	N/A	16,22	N/A	16,16	11,12	9,11
			14,14	N/A	N/A	11,11	11,11	17,18
			13,14	28,29	N/A	X,Y	10,12	24,24
			N/A	N/A	N/A	7,8	8,9	15,18
XDLKFE	Identifiler® Plus	2	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
					7,8	8,9	15,18	

TABLE 2

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

XECHC7	Identifiler® Plus	2	NA	16,22	NA	16	11,12	9,11
			14	NA	NA	11	11	17,18
			13,14	28,29	NA	X,Y	10,12	24
			NA	NA	NA	7,8	8,9	15,18
XEZL82	Identifiler® and Identifiler Plus	2		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
XFR3EA	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
XHWV7M	Identifiler® Plus	2		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
XJRE8N	Identifiler® Plus	2		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
XKLE2	PowerPlex® Fusion	2	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
XLT2L8	Identifiler® Plus, PowerPlex® HS	2		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18

TABLE 2

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

XMP8CZ	PowerPlex® 16 HS, Fusion					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
XPE4UJ	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
XQRPNF	PowerPlex® HS					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
XV337D	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XV3NXZ	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XWJW8N	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XX8GPD	GlobalFiler					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18

TABLE 2

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

XYJN22	Identifiler®, PowerPlex® Fusion, MiniFiler					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
XZFY2B	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
Y49MT2	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
Y6P64F	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
Y7F3Z8	PowerPlex® 16					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
Y7XXKU	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
Y8Y7B8	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

YC7WDD	PowerPlex® 16 Hot Start					
2				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
YDHHY9	Identifiler®					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
YFBEKL	PowerPlex® ESX16 Fast					
2	15	16,22	11,14	16		
	14	12,13	17.3,20		11	17,18
	13,14	28,29	14,15	X,Y		24
				7,8		15,18
YFM989	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
YGVYWY	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
YGZQBE	Identifiler® Plus					
2	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18
YJLWU6	GlobalFiler Express					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18

TABLE 2

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

YLCPJY	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YMRZKD	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YNZT2R	PowerPlex® Fusion					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14		7,8	8,9
YPC2DE	PowerPlex® Fusion					
2		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14		7,8	8,9
YQN9P3	Identifiler®					
2		N/A	16,22	N/A	16,16	11,12
		14,14	N/A	N/A	11,11	11,11
		13,14	28,29	N/A	X,Y	10,12
		N/A	N/A	N/A	7,8	8,9
YTQ4A6	Identifiler® Direct					
2		-	16,22	-	16	11,12
		14	-	-	11	11
		13,14	28,29	-	X,Y	10,12
		-	-	-	7,8	8,9
YVGEZX	PowerPlex® Fusion					
2		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14	-	7,8	8,9

TABLE 2

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

YVXBRX	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YZDTVZ	PowerPlex® HS, Fusion					
2		16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	17,18
		13,14	28,29	14,15	X,Y	24,24
		11,12	8,14	7,8	8,9	15,18
YZVB7E	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
Z4RJL9	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
Z7J7QH	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
Z9LKZN	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZAE7FD	PowerPlex® 16 HS					
2				16	11,12	9,11
				14	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

ZBQFH7	Identifiler® Plus					
2	N/A	16,22	N/A	16	11,12	9,11
	14	N/A	N/A	11	11	17,18
	13,14	28,29	N/A	X,Y	10,12	24
	N/A	N/A	N/A	7,8	8,9	15,18
ZC2FGL	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZDFA8Z	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ZF3J99	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ZFZJK2	PowerPlex® Fusion					
2	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ZG2ZQH	Identifiler® Direct					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZKFPX9	Identifiler® Plus					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

ZM2BQV	GlobalFiler Express					
2	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
ZNXBTV	PowerPlex® ESI 16					
2	15	16,22	11,14	16	/	/
	14	12,13	17.3,20	/	11	17,18
	13,14	28,29	14,15	X,Y	/	24
	/	/	/	7,8	/	15,18
ZPPE6	Identifiler®					
2		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ZQHDJ2	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZRC69T	PowerPlex® PP21					
2	15	16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ZRYNWT	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZRYVUE	Identifiler® Plus, MiniFiler					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

ZTTLZU	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZTXF9	PowerPlex® 16 HS					
2		-	-	16	11,12	9,11
		14	-	11	11	17,18
		-	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
ZVHU8A	Identifiler®					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZVX7PE	Identifiler® Plus, MiniFiler					
2		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
ZVYYRT	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZWRWVT	Identifiler® Plus					
2		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZWW6B9	PowerPlex® 16 HS					
2		NA	NA	NA	16	11,12
		14	NA	NA	11	17,18
		NA	28,29	NA	X,Y	24
		11,12	8,14	NA	7,8	15,18

TABLE 2

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

ZXZC3Z	PowerPlex® 16 HS					
2				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ZY2ZRQ	Identifiler® Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZYCJFN	Identifiler® ID Plus					
2		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZYYP29	PowerPlex® ESI16					
2	15	16,22	11,14	16		
	14	12,13	17,3,20		11	17,18
	13,14	28,29	14,15	X,Y		24
				7,8		15,18

TABLE 2

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

342NZ4	Profiler Plus®					
3						
3HFPWU	Identifiler® Plus					
3	NT	17,19,20,21	NT	14,16,17	10,11,12,13	10,11,12
	11,14	NT	NT	8,11,12,13	11,12,13	18,19
	13,14,15	28,29,30,31	NT	X,Y	7,10,11	22,23
	NT	NT	NT	6,7,8	8,10,11	16,17,18,19
3Z2D64	Identifiler® Plus					
3		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21,2,23
				6,7	8,11	16,19
42MEMW	PowerPlex® Fusion					
3	14,16,3,17,3,18,3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21,2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
68NDBQ	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21,2,22,23
				6,7,8	8,10,11	16,17,18,19
7KX2AF	Identifiler® Plus					
3		17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12
	11,14			8,[11],[12],13	11,[12],13	14,18,[19]
	13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21,2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19
934B6X	PowerPlex® Fusion					
3	14,16,3,17,3,18,3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21,2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

972VRU	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
99R8JM	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
CGJVC2	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,12
	11,14			8,11,12,13	11,12,13	18,19
	13,14,15	28,29,30,31		X	7,10,11	22
				6,7,8	10,11	16,17,18
CPP7JL	PowerPlex® Fusion					
3	---	---	---	---	---	---
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	---	---	---	---	---	---
F4DT4V	PowerPlex® ESI-17Fast, ESX-17Fast					
3	14,16.3,(17.3),(18.3)	(17),(19),20,21	11,14	(14),16,17		
	(11),14	12,14,(15),(16)	17,18,(21),(24)		(11),12,13	(14),(18),19
	(13),14,15	(28),29,(30),31	(11),12,16,(17)	X,(Y)		(21.2),22,(23)
			17,18,19	(6),(7),8		(16),17,18,(19)
H6KRAN	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
JFY7VM	PowerPlex® Fusion					
3	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

JLPG7K	PowerPlex® Fusion						
	3	14,16,3,17,3,18,3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
MLTENJ	COfiler® and Profiler Plus®						
	3	NA	NA	NA	INC	INC	INC
		INC	NA	NA	INC	INC	INC
		NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC	
MRX3B	Identifiler® Plus						
	3		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
NRFKZK	Identifiler® Plus, MiniFiler						
	3		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
NV8XC8	Identifiler® Identifiler Plus						
	3		17,19,20,21		14,16,17	10,11,12,13	10,11,12
		11,14			8,11,12	12,13	14,19
		14,15	28,29,30,31		X,Y	7,10,11	22,23
				6,7,8	10,11	16,17,18,19	
NXLDUF	Identifiler® Plus, MiniFiler						
	3		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
PJUXGE	COfiler® and Profiler Plus® Profiler Plus						
	3				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13		14,18,19
			28,29,30,31		X,Y		21.2,22,23
						16,17,18,19	

TABLE 2

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

QQRZ4C	Identifiler® Plus					
3	NA	INC	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	INC	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
R7PCCF	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
R8EM49	PowerPlex® Fusion					
3	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
RN2386	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
UZPY69	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
V6ZCM8	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
V9YNJ8	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC

TABLE 2

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

XEHC7	COfiler® and Profiler Plus®					
3	NA	NA	NA	INC	INC	INC
	INC	NA	NA	INC	INC	INC
	NA	INC	NA	INC	INC	INC
	NA	NA	NA	INC	INC	INC
YGVYWY	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
YVXBRX	Identifiler® Plus					
3		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ZNXBTV	PowerPlex® ESI 16					
3	14,16.3,17.3,18.3	17,18,20,21	11,14	14,16,17	/	/
	11,14	12,14,15,16	17,18,21,24	/	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	/	21.2,22,23
	/	/	/	6,7,8	/	16,17,18,19

TABLE 2

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 3e - STR Results

23FU9N	Identifiler® Plus					
3e		(17),(19),20,21		(14),16,17	(10),11,13	10
		(11),14		(8),11,12,(13)	(11),12,13	(18),19
		(13),14,15	29,31	X,(Y)	7,10,(11)	22
				(6),(7),8	(8),10,11	(16),17,18,(19)
24AF2E	PowerPlex® Fusion					
3e	14,[16.3],[17.3],[18.3]	17,[19],20,21	11,14	[14],16,[17]	[10],11,[12],13	10,[11],[12]
	[11],14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,13	[11],12,13	[14],18,19
	13,14,15	28,29,[30],31	[11],12,[16],[17]	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9,[11],[14]	[7],[10],[12],18		6,7,8	[8],[10],11	16,17,18,[19]
2AUKP9	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
2DXP8M	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	16,17,18,19
2E3PZ3	COfiler® and Profiler Plus® 10 Loci					
3e				14,16,17	10,11,13	10,11,12
				8,11,12,13		14,18,19
		28,29,30,31		X,Y		21.2,22,23
						16,17,18,19
2E8XEG	Globalfiler					
3e	14,16.3,(17.3),(18.3)	(17),(19),20,21	11,14	(14),16,17	(10),11,13	10,(11),(12)
	(11),14	12,14,(15),(16)	17,18,(21),(24)	(8),11,12,(13)	12,13	(14),(18),19
	(13),14,15	(28),29,(30),31	12,16,(17)	X,(Y)	7,10,(11)	(21.2),22,(23)
			17,18,(19)	(6),(7),8	(8),10,11	(16),17,18,(19)
2H8RAH	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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2J2D4A	PowerPlex® 16 HS	3e			[14],16,17	[10],11,13	10,[11],[12]
			[11],14		[8],11,12,[13]	12,13	[14],[18],19
				29,31	X,[Y]	7,10,[11]	[21.2],22,[23]
			7,9,[11],[14]	[7],10,[12],18	[6],[7],8	[8],10,11	[16],17,18,[19]
2JXZ8Z	PowerPlex® 16 HS	3e			14,16,17	10,11,13	10,11,12
			11,14		8,11,12,13	12,13	14,19
				28,29,30,31	X,Y	7,10,11	22,23
			7,9,14	7,10,18	6,7,8	8,10,11	16,17,18,19
2KPFMX	Identifiler®	3e		[17],[19],20,21	[14],16,17	[10],11,13	10,[11],[12]
			[11],14		[8],11,12,[13]	[11],12,13	[14],19
			[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
					[6],[7],8	[8],10,11	[16],17,18,[19]
2L2XHT	Identifiler® Plus	3e		17,20,21	14,16,17	10,11,13	10
			11,14		8,11,12,[13]	11,12,13	14,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,[23]
					6,7,8	8,10,11	16,17,18,19
2M2NYA	PowerPlex® 16 HS	3e			[14],16,17	[10],11,13	10,[11],12
			[11],14		[8],11,12,[13]	[11],12,13	[14],18],19
				29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			7,9,[11],14	[7],10,[12],18	[6],[7],8	[8],10,11	[16],17,18,[19]
2MWGJU	Identifiler®	3e		17,19,[20],[21]	14,[16],17	10,11,[13]	10,11,12
			11,14		8,[11],[12],13	11,[12],13	14,18,19
			13,[14],15	28,[29],30,[31]	X,Y	7,10,11	21.2,[22],23
					6,7,8	8,10,11	16,[17],[18],19
2P8QN9	Identifiler® Plus	3e		17,19,20,21	14,16,17	10,11,13	10,11,12
			11,14		8,11,12,13	11,12,13	14,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,8	8,10,11	17,18,19

TABLE 2

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

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2QH4BM	Identifiler® Plus					
3e		17,20,21		14,16,17	11,13	10,11,12
		11,14		8,11,12,13	12,13	14,17,19
		13,14,15	29,31	X	7,10,11	22,23
				6,8	8,10,11	17,18,19
2RQMAD	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11
		11,14		8,11,12	11,12,13	19,19
		14,15	28,29,30,31	X,Y	7,10	22,22
				6,7,8	8,10,11	16,17,18,19
2RUTQT	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10
				8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10	22,23
		7,9	10,18	6,7,8	8,10,11	17,18,19
2RY23L	Identifiler®, PowerPlex®					
3e		19,20,21		14,16,17	10,11,13	10,0
		11,14		8,11,12,13	11,12,13	18,19
		13,14,15	28,29,30,31	X,0	7,10	21.2,22,23
				6,7,8	10,11	16,17,18
2WJEBZ	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10	22
		7,9	10,18	6,7,8	8,10,11	16,17,18,19
2WN7DW	Identifiler®					
3e		N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13
		[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13
		[13],14,15	[28],29,[30],31	N/A	X,[Y]	[21.2],22,[23]
		N/A	N/A	N/A	[6],[7],8	[8],10,11
						[16],17,18,[19]
2WR8DH	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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2XWJTD	Identifiler® Plus						
3e		19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	19,19	
		13,14,15	29,31	X,X	7,10	22,22	
				8,8	10,11	17,18	
2YQ6PP	PowerPlex® Fusion						
3e		14,16.3,18.3	19,20,21	11,14	16,17	11,13	10
		11,14	12,14	17,18	11,12	11,12,13	19
		13,14,15	29,30,31	12,16	X,Y	7,10,11	22,23
		7,9,11	10,18	6,8	10,11	17,18,19	
2Z6QZC	Identifiler® Plus						
3e		[17],20,21		[14],16,17	[10],11,13	10,[12]	
		[11],14		[8],11,12,[13]	12,13	[14],19	
		14,15	[28],29,31	X,[Y]	7,10,[11]	[21.2],22,[23]	
				[6],8	[8],10,11	17,18,[19]	
32Y6DA	Identifiler® Plus						
3e		20,21		16,17	(10),11,13	10	
		14		11,12	(11),12,13	(18),19	
		14,15	29,(30),31	X	7,10	22	
				8	10,11	17,18	
34XKCC	PowerPlex® 16 HS						
3e				14,16,17	10,11,13	10,11,12	
				8,11,12,13	11,12,13	14,19	
		28,29,30,31		X,Y	7,10,11	21.2,22,23	
		7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
36CG4H	Identifiler® Plus						
3e		17,20,21		14,16,17	10,11,13	10	
		11,14		8,11,12,13	12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
				6,7,8	8,10,11	16,17,18,19	
3773WA	Identifiler®						
3e		17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
				6,7,8	8,10,11	16,17,18,19	

TABLE 2

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

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3ABCXJ	Identifiler® Plus					
	3e	20,21		[14],16,17	[10],11,13	10,10,[12]
		[11],14,14		[8],11,12,[13]	12,13	[14],[18],19,19
		[13],14,15	29,[30],31	X,X	7,10,[11]	22,22
			[6],[7],8,8	10,11	[16],17,18,[19]	
3AKXC7	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
3BGDMH	Identifiler® Plus					
	3e	(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
		(11),14,14		(8),11,12,(13)	(11),12,13	(14),(18),19,19
		(13),14,15	(28),29,(30),31	X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
			(6),(7),8,8	(8),10,11	(16),17,18,(19)	
3DAPLA	Identifiler® Identifiler Plus					
	3e	19,20,21		16,17	10,11,13	10
		14		11,12,13	12,13	18,19
		13,14,15	28,29,30,31	X,Y	7,10	22
			8	10,11	16,17,18	
3FJQQF	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,[12],13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,Y	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
3LH799	Identifiler® Plus, PrepFiler/Erase					
	3e	20,21		[14],16,17	[10],11,13	10
		14		11,12	12,13	[18],19
		14,15	29,[30],31	X	7,10	22
			[6],8	[8],10,11	[16],17,18,[19]	
3MDVJG	Globalfiler					
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11
			17,18,19	6,7,8	8,10,11	
					16,17,18,19	

TABLE 2

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

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3MWQ2J	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14		[8],11,12,[13]	[11],12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]
3NMY2	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				11,14	8,11,12,13	11,12,13
		28,29,31		X,Y	7,10	22
		7,9	10,12,18	6,7,8	8,10,11	16,17,18,19
3QF34N	PowerPlex® Fusion					
3e		14,16,3	17,20,21	11,14	14,16,17	10,11,13
		11,14	12,14	17,18	11,12	11,12,13
		14,15	29,30,31	12,16	X	7,10
		7,9	10,18	6,7,8	10,11	16,17,18
3TNXJR	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				11,14	8,11,12,13	11,12,13
		28,29,31		X,Y	7,10,11	22
		7,9,11,14	10,12,18	6,7,8	8,10,11	16,17,18,19
3UHKF4	PowerPlex® 16 HS					
3e		-	-	-	14,16,17	10,11,13
		11,14	-	-	8,11,12,13	11,12,13
		-	28,29,30,31	-	X,Y	7,10,11
		7,9,11,14	7,10,12,18	-	6,7,8	8,10,11
3UV3AA	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				11,14	8,11,12,13	12,13
		29,30,31		X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19
3UZNVG	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,[11],[12]
		11,14		8,11,12,13	11,12,13	[14],18,19
		13,14,15	28,29,30,31	X,Y	7,10,[11]	21.2,22,23
				6,7,8	8,10,11	16,17,18,[19]

TABLE 2

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

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3Z4LC9	Identifiler® Plus					
3e		17,19,20,21		16,17	10,11,13	10,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,31	X	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
3ZEK7G	Identifiler® Plus					
3e		[17^],20,21		[14^],16,17	11,13	10
		[11^],14		[8^],11,12,[13^]	12,13	[14^],[18],19
		[13^],14,15	[28^],29,[30^],31	X	7,10	[21.2^],22,[23^]
				[6^],8	10,11	[16^],17,18
42T3AM	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
43NQK7	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
44WFUN	PowerPlex® Fusion					
3e		14,16.3	[17],20,21	11,14	16,17	[10],11,13
		[11],14	12,14	17,18,[21],[24]	11,12	[11],12,13
		14,15	29,30,31	12,16	X	7,10
		7,9	10,18		[6,7],8	10,11
44X3X2	Identifiler® Plus					
3e		17,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
46C7UD	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18

TABLE 2

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

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46UM39	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
47ND72	Identifiler® Plus, PowerPlex® 16 HS					
3e		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
		7,9	10,18	8	10,11	17,18
48487G	Identifiler® Plus					
3e		17,19,20,[21]		14,16,17	10,11,[13]	10,[11,12]
		[11],14		8,11,12,[13]	[11],12,13	[14,18],19
		13,14,15	28,29,30,31	X,[Y]	[7],10,[11]	[21.2],22,[23]
				[6,7],8	[8,10],11	16,17,18,19
4CQMEF	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11,12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X	7,10,[11]	[21.2],22,[23]
				[6],8	[8],10,11	17,18,[19]
4D6H7U	GlobalFiler					
3e				17		
					13	
				X		
4DMQWA	Identifiler® Plus					
3e		17,20			11	10
		14		8,11,12,13	13	14,18,19
		15	31	X	10	22,23
				6	8,10	17
4DP967	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
			28,29,30,31	X,Y	7,10,11	22,23
		7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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4GM7GD	Identifiler® Plus						
	3e	(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)	
		(11),14,14		(8),11,12,(13)	(11),12,13	(14),19,19	
		14,15	(28),29,(30),31	X,X,(Y)	7,10,(11)	(21.2),22,22,(23)	
			(6),(7),8,8	(8),10,11	(16),17,18,(19)		
4GZZWE	Identifiler® Plus						
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]	
		[11],14,14		[8],11,12,[13]	[11],12,13	[14],[18],19,19	
		[13],14,15	[28],29,30,31	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]	
			[6],[7],8,8	[8],10,11	[16],17,18,[19]		
4JPA39	GlobalFiler						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,[11],[12]
		[11],14	12,14,15,16	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	28,29,30,31	[11],12,16,[17]	X,[Y]	7,10,[11]	[21.2],22,[23]
			17,18,19	[6],[7],8	[8],10,11	[16],17,18,[19]	
4Q87ZA	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,13,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		
4Q9BND	Identifiler® Plus						
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]	
		[11],14		[8],11,12,[13]	[11],12,13	[14],19	
		14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]	
			[6],[7],8	[8],10,11	17,18,[19]		
4V269D	Identifiler® Plus						
	3e	20,21		16,17	11,13	10,10	
		14,14		11,12	12,13	19,19	
		14,15	29,31	X,X	7,10	22,22	
			8,8	10,11	17,18		
62L46Y	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		

TABLE 2

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

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62NCC4	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22
				[6],[7],8	[8],10,11	[16],17,18,[19]
63Y8ZG	Identifiler® Plus					
3e		20,21		16,17	[10],11,13	10,10
		14,14		11,12	[11],12,13	[18],19,19
		[13],14,15	29,[30],31	X,X	7,10	22,22
				[7],8,8	10,11	17,18
66TTU8	PowerPlex® 16 HS					
3e				[14],16,17	[10],11,13	10,[11]
				[8],11,12,[13]	12,13	[14],19
			29,[30],31	X,[Y]	7,10	22,[23]
		7,9,[11]	[7],10,[12],18	[7],8	[8],10,11	[16],17,18,[19]
68WDT2	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,12
		11,14		8,11,12,13	12,13	14,19
		13,14,15	28,29,30,31	X	7,10,11	21.2,22,23
				8	8,10,11	17,18
6AXJ97	PowerPlex® HS					
3e				14,16,17	10,11,13	10,11,12
				8,11,12,13	12,13	14,19
			29,31	X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,18	6,7,8	8,10,11	16,17,18,19
6BAQHA	Identifiler® Plus					
3e		20,21		14,16,17	10,11,13	10,10
		11,14		11,12	12,13	19,19
		13,14,15	28,29,31	X,X	7,10	22,22
				6,7,8	10,11	17,18,19
6DGVQ9	Identifiler® Plus					
3e		[17],19,20,21		14,16,17	[10],11,13	10
		11,14		8,11,12,[13]	11,12,13	[14],19
		13,14,15	28,29,30,31	X	7,10,[11]	22
				6,7,8	10,11	16,17,18,19

TABLE 2

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

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6EHF8H	PowerPlex® 21	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	[NR],16,17	[10],11,13	10,10	
			[11],14,14		17,18,[NR],[NR]	11,12,[NR]	[11],12,13	[14],[NR],[18],19,19
			[13],14,15	[28],29,[30],31		X,X	[NR],7,10	[NR],22,22,[23]
			7,9,[NR],[NR]	[NR],10,18		[6],[7],8,8	[NR],10,11	17,18,[NR]
6FDVKF	Identifiler® Plus	3e		17,19,20,21		14,16,17	10,11,13	10,[11],[12]
			11,14			[8],11,12,13	11,12,13	14,[INC],19
			13,14,15	28,29,30,31		X,Y	7,10,[11]	[21.2],22,[23]
						6,8	[8],10,11	16,17,18,[19]
6GGE33	Identifiler®	3e		[17],[19],20,21		[14],16,17	10,11,13	10,[11],[12]
			[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
			13,14,15	28,29,30,31		X,[Y]	7,10,[11]	[21.2],22,[23]
						[6],[7],8	[8],10,11	[16],17,18,[19]
6HAXTN	Identifiler®	3e		17,19,20,21		14,16,17	[10],11,[13]	10,[11],[12]
			[11],14,14			8,11,12,13	[11],12,13	[14],[18],19
			13,14,15	28,29,30,31		X,X,[Y]	7,10,[11]	[21.2],22,[23]
						[6],[7],8	[8],10,11	16,17,18,19
6KFQX3	Identifiler®	3e		17,19,20,21		14,16,17	10,11,13	10,[11],[12]
			[11],14			8,11,12,13	[11],12,13	[14],[18],19
			13,14,15	28,29,30,31		X,[Y]	7,10,[11]	[21.2],22,[23]
						[6],[7],8	[8],10,11	16,17,18,19
6KHQ8V	PowerPlex® 16 HS	3e				14,16,17	10,11,13	10,11,12
			11,14			8,11,12,13	12,13	14,18,19
				28,29,30,31		X,Y	7,10,11	22,23
			7,9,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
6MRQEN	Identifiler® Plus	3e		[17],20,21		[14],16,17	[10],11,13	10,[11],[12]
			[11],14			[8],11,12,[13]	12,13	[14],19
			14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
						[6,7],8	[8],10,11	17,18,[19]

TABLE 2

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

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6R34WM	Identifiler®, Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
6RH6W4	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11]
	[11],14			[8],11,12,[13]	[11],12,13	[18],19
	[13],14,15	[28],29,[30],31		X	7,10,[11]	22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
6RXQ76	Identifiler® Plus					
3e		19,20,21		16,17	10,11,13	10,11,12
	11,13,14			8,11,12,13	11,12,13	18,19
	13,14,15	28,29,30,31		X,Y	7,10	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
6TZA3	PowerPlex® 16 HS					
3e	not tested	not tested	not tested	14,16,17	10,11,13	10,11,12
	11,14	not tested	not tested	8,11,12,13	11,12,13	14,18,19
	not tested	28,29,30,31	not tested	X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18	not tested	6,7,8	8,10,11	16,17,18,19
6U3NN9	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
6UADAD	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	12,13	[14],19
	[13],14,15	[28],29,[30],31		X	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
6V3REC	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
	[11],14,14			[8],11,12,[13]	[11],12,13	[14],[18],19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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6VY8QA	Identifiler® Plus					
3e		[17,19],20,21		[14],16,17	[10],11,13	10,[11,12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6,7],8	[8],10,11	[16],17,18,[19]
6WTHE3	Identifiler® Plus					
3e		20,21		16,17	11,13	10
		14,14		11,12	12,13	19,19
		14,15	29,31	X,X	7,10	22,22
				8,8	10,11	17,18
6XPXPE	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10
		11,13,14		11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18,19
7233W8	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				11,14	8,11,12,13	19
		29,30,31		X,Y	7,10,11	21.2,22,23
		7,9	7,10,12,18	6,7,8	8,10,11	16,17,18,19
73GDZ7	PowerPlex® 16 HS					
3e				16,17	[10],11,13	10,[11]
				[11],14	8,11,12,13	[11],12,13
		28,29,30,31		X,[Y]	7,10	22,22
		7,9,11,14	10,12,18	[7],8	10,11	[16],17,18,[19]
74PFXY	PowerPlex® 16 HS					
3e				[14],16,17	[10],11,13	10,[11],[12]
				[11],14	[8],11,12,[13]	[11],12,13
		[28],29,[30],31		X,[Y]	7,10,[11]	22,[23]
		7,9,[11],[14]	[7],10,[12],18	[6],[7],8	[8],10,11	[16],17,18,[19]
74UUBY	Identifiler® Plus					
3e		[17],[19],20,21		16,17	11,13	10
		14		11,12	[11],12,13	19
		[13],14,15	29,31	X	7,10	22
				8	10,11	[16],17,18

TABLE 2

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

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77YM3C	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
78NMQU	Identifiler®					
3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,[13]	10,[11],[12]
	[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	[21.2],22,[23]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]
7DYXJ3	PowerPlex® 16 HS					
3e				16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
		[28],29,[30],31		X,[Y]	7,10,[11]	22,[23]
	7,9,[11],[14]	[7],10,[12],18		[6],8	[8],10,11	[16],17,18,[19]
7EUF6	GlobalFiler					
3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,10,[11],[12]
	[11],14,14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],[18],19,19
	[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
			17,18,[19]	[6],[7],8,8	[8],10,11	[16],17,18,[19]
7F4799	Identifiler® Plus					
3e	-	17,19,20,21	-	14,16,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	-	X,Y	7,10,11	21.2,22,23
	-	-	-	6,7,8	8,10,11	16,17,18,19
7F7DQ9	PowerPlex® Fusion					
3e	14,16.3,(17.3),(18.3)	(17),(19),20,21	11,14	(14),16,17	(10),11,13	10,(11),(12)
	(11),14	12,14,(15),(16)	17,18,(21),(24)	(8),11,12,(13)	(11),12,13	(14),(18),19
	(13),14,15	(28),29,31	12,16	X	7,10	(21.2),22
	7,9,(14)	(7),10,(12),(18)		(6),(7),8	(8),10,11	17,18,(19)
7GBN74	Identifiler® Plus					
3e		17,20,21		14,16,17	10,11,13	10,10
	11,14			11,12,13	12,13	18,19
	13,14,15	28,29,30,31		X,X	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18

TABLE 2

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

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7HR3BL	Identifiler® Plus					
	3e	[17],19,20,21		14,16,17	10,11,13	10,[11],[12]
		[11],14		8,11,12,13	11,12,13	[14],[INC],18,19
		[13],14,15	28,29,30,31	X,Y	7,10,11	[21.2],22,[23]
			6,7,8	8,10,11	16,17,18,[19]	
7J4U33	PowerPlex® 16 HS					
	3e			[14],16,17	[10],11,13	10,[11],[12]
				[8],11,12,[13]	[11],12,13	[14],[18],19
			[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9,[11],[14]	[7],10,[12],18	[6],[7],8	[8],10,11	[16],17,18,[19]	
7JMPK6	Identifiler® Plus					
	3e				10	
7LA9L3	Identifiler®					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
7NW334	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
7NXV6H	Identifiler® Plus					
	3e	[17],20,21		[14],16,17	[10],11,13	10,10,[11]
		[11],14,14		[8],11,12,[13]	12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31	X,X,[Y]	7,10,[11]	22,22,[23]
			[6],[7],8,8	[8],10,11	[16],17,18,[19]	
7U39PF	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	22,23
			6,7,8	8,10,11	16,17,18,19	

TABLE 2

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

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7UFBK9	PowerPlex® 16 HS	3e			14,16,17	10,11,13	10,11	
			11,14		8,11,12	11,12,13	14,19	
				28,29,30,31	X,Y	7,10,11	22	
			7,9,11	10,18	6,7,8	8,10,11	16,17,18,19	
84P3LF	PowerPlex® 21	3e	14,16.3,17.3,18.3	17,19,20,21	14,16,17	10,11,13	10,11,12	
			11,14		17,18,21,24	8,11,12,13	11,12,13	14,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			7,9,11,14	7,10,18	6,7,8	8,10,11	16,17,18,19	
863G84	Identifiler® Plus	3e		[17],[19],20,21	[14],16,17	[10],11,13	10,[11],[12]	
			[11],14		[8],11,12,[13]	12,13	[14],[18],19	
			14,15	[28],29,[30],31	X	7,10,[11]	22,[23]	
					[6],8	[8],10,11	[16],17,18,[19]	
86Z93K	PowerPlex® Fusion	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,[11],[12]
			[11],14	12,14	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],[17],19
			[13],14,15	[28],29,[30],31	12,16	X,[Y]	7,10,[11]	22,[23]
			7,9,[14]	10,18		[6],[7],8	[8],10,11	[16],17,18,[19]
8AQDLT	PowerPlex® 16 HS	3e			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
				28,29,30,31	X,Y	7,10,11	22,23	
			7,9,11	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
8ATRH3	PowerPlex® HS	3e			(14),16,17	(10),11,13	10,(11),(12)	
			(11),14		(8),11,12,(13)	(11),12,13	(14),19	
				(28),29,(30),31	X,(Y)	7,10,(11)	22,(23)	
			7,9,(11),(14)	(7),10,(12),18	(6),(7),8	(8),10,11	(16),17,18,(19)	
8B76N7	Identifiler® Plus	3e		[17],[19],20,21	[14],16,17	11,13	10,[11],[12]	
			[11],14		[8],11,12,[13]	[11],12,13	[14],19	
			14,15	[28],29,[30],31	X,[Y]	7,10	[21.2],22,[23]	
					[6],[7],8	[8],10,11	17,18,[19]	

TABLE 2

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

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8E6YH8	Identifiler® Plus						
	3e	(17),(19),20,21		(14),16,17	(10),11,13	10,(11),(12)	
		(11),14		(8),11,12,(13)	(11),12,13	(14),(18),19	
		(13),14,15	(28),29,(30),31	X,(Y)	7,10,(11)	(21.2),22,(23)	
			(6),(7),8	(8),10,11	(16),17,18,(19)		
8EQFWN	PowerPlex® 16 HS						
	3e			14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,19	
			28,29,30,31	X,Y	7,10,11	22,23	
	7,9	7,10,12,18	6,8	8,10,11	16,17,18,19		
8F2FTH	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	29,30,31	X,Y	7,10	22	
			6,7,8	8,10,11	16,17,18,19		
8FFQMG	PowerPlex® Fusion						
	3e	14,16,3,17,3,18,3	17,19,20,21	11,12,14	14,16,17,18	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,17,19,20
		13,14,15	28,29,30,31	12,16	X,Y	7,10,11	21.2,22,23
	7,9,11	7,10,18	NT	6,8	8,10,11	16,17,18,19	
8FXC4T	Identifiler® Plus, MiniFiler						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		
8GTU7U	Identifiler®						
	3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13	10,[11],[12]
		[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	[21.2],22,[23]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]	
8JZYJ	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		

TABLE 2

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

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8LLYYY	Identifiler® Plus, PowerPlex® HS,Fusion					
3e	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
	7,9	10,18		8	10,11	17,18
8N7TRT	PowerPlex® 16					
3e	N/A	N/A	N/A	14,16,17	10,11,[13]	10,11,12
	11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,19□
	N/A	28,[29],30,[31]□	N/A	X,Y	[7],10,11	21.2,22,23
	7,9,11,14	7,[10],12,[--]□	N/A	6,7,[8]	8,[10],11	16,[17],[18],19
8TQEL7	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11]
	[11],14			[8],11,12,[13]	12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
8ULXN8	Identifiler® Plus					
3e		19,20,21		14,16,17	10,11,13	10,11
	14			(8),11,12,13	11,12,13	14,19
	14,15	28,29,30,31		X	7,10	22
				6,7,8	(8),10,11	16,17,18
8UUFMX	Identifiler®, PowerPlex® 16 HS, Fusion5C					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
8UXJBN	Identifiler® Plus					
3e		17,20,21		14,16,17	10,11,13	10
	11,14			8,11,12,13	12,13	(14),19
	13,14,15	28,29,30,31		X,Y	7,10,(11)	(21.2),22,(23)
				6,7,8	8,10,11	16,17,18,19
8VAQNC	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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8Z9MA3	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
986N2F	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	14,15	28,29,30,31	12,16	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,18		6,7,8	8,10,11	16,17,18,19
99U9QK	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11
	11,14			11,12	12,13	19
		28,29,30,31		X,Y	7,10	22,23
	7,9	10,18		6,7,8	8,10,11	16,17,18,19
9B43MK	PowerPlex® Fusion					
3e	14,16.3	[17],[19],20,21	11,14	[14],16,17	11,13	10,[11],[12]
	[11],14	12,14	17,18	11,12	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	12,16,[17]	X,[Y]	7,10	22,[23]
	7,9	10,18		[6],[7],8	[8],10,11	[16],17,18
9CUJMK	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	19
		28,29,30,31		X,Y	7,10	22
	7,9,11	10,18		6,7,8	8,10,11	16,17,18,19
9EGFEE	Identifiler® Plus					
3e		19,20,21		14,16,17	10,11,13	10
	11,14			8,11,12	11,12,13	19
	13,14,15	29,30,31		X	7,10,11	22
				6,7,8	8,10,11	16,17,18,19
9F8MBW	Identifiler® , Plus, PowerPlex® HS, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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9J2QNH	Identifiler® Plus					
3e		19,20,21		16,17	[10],11,13	10
	14			11,12,13	12,13	[14],19
	13,14,15	29,31		X	7,10	22,[23]
				8	[8],10,11	16,17,18
9L3BFH	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,20,21	11,14	14,16,17	11,13	10,11,12
	11,14	12,14,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	29,30,31	12,16,17	X,Y	7,10,11	22,23
	7,9,11,14	7,10,18		6,7,8	8,10,11	16,17,18,19
9LKU9A	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
9LYXLV	Identifiler®					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[7],8	[8],10,11	[16],17,18,[19]
9MDACD	Identifiler® +					
3e		(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
	(11),14,14			(8),11,12,(13)	(11),12,13	(14),(18),19,19
	(13),14,15	29,(30),31		X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
				(6),(7),8,8	(8),10,11	(16),17,18,(19)
9PHL6D	Identifiler®, ID+					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10
	[11],14,14			[8],11,12,[13]	[11],12,13	[18],19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	[21.2],22,22
				[6],[7],8,8	[8],10,11	[16],17,18,[19]
9QTBHX	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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9U4YEG	Identifiler® Plus						
	3e		17,20,21		14,16,17	11,13	10,11,12
		11,14			8,11,12,13	12,13	14,19
		14,15	29,30,31		X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	17,18,19	
9V9DFA	Identifiler® Plus						
	3e		(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
		14,14			(8),11,12,(13)	(11),12,13	(14),19,19
		14,15	(28),29,(30),31		X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
				(6),(7),8,8	(8),10,11	(16),17,18,(19)	
9W3Y9Z	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	11,13	10,12
		11,14			8,11,12,13	12,13	14,19
		14,15	29,30,31		X,Y	7,10,11	22,23
				6,7,8	8,10,11	17,18,19	
9WGXD3	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11,12
		14			8,11,12,13	11,12,13	14,19
			29,30,31		X,Y	7,10,11	22,23
		7,9,14	10,12,18		6,7,8	8,10,11	16,17,18,19
9Y8NBA	PowerPlex® Fusion						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,[11],[12]
		[11],14	12,14,[15],[16]	17,18,[21],[24]	11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,[Y]	7,10,[11]	22
	7,9,[14]	[7],10,[12],18		[6],[7],8	[8],10,11	[16],17,18,[19]	
A2BE33	Identifiler®						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[12]
		[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22
				[6],[7],8	[8],10,11	[16],17,18,[19]	
A8FKV7	Identifiler® Plus						
	3e	-	[17],[19],20,21	-	[14],[15],16,17	[10],11,[12],13	10,[11],[12]
		[11],[13],14	-	-	[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	-	X,[Y]	7,10,[11]	[21.2],22,[23]
	-	-	-	[6],[7],8	[8],10,11	[16],17,18,[19]	

TABLE 2

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

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A8ZQ4P	Globalfiler					
3e		20	11	14,16	11,13	
		14	12,14	18		19
		15	12	X	7,10	22
			17	8		
A9ARBH	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
AA3PEH	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
AA8XUX	PowerPlex® 16 HS					
3e		-	-	14,16,17	10,11,13	10,11,12
		11,14	-	8,11,12,13	11,12,13	14,19
		-	28,29,30,31	X,Y	7,10,11	22
		7,9	7,10,12,18	6,7,8	8,10,11	17,18,19
ACAHKX	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	10,11	16,17,18,19
AD6MPB	Identifiler® Plus, MiniFiler					
3e		[17],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	22
				[6],[7],8	10,11	[16],17,18
ADLEP3	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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ADPD7B	GlobalFiler					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
			17,18,19	6,7,8	8,10,11	16,17,18,19
AEKV8C	Identifiler® Plus					
3e		20,21		16,17	11,13	10,12
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
AFNM37	PowerPlex® HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
AJUYA8	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
AK3RN2	Identifiler® Plus					
3e		[19],20,21		[14],16,17	[10],11,13	10,[11]
	[11],14			[8],11,12,[13]	[11],12,13	19,19
	14,15	29,[30],31		X,X	7,10,[11]	22,22
				[6],[7],8	[8],10,11	[16],17,18,[19]
AKL78P	GlobalFiler					
3e	14,16.3,18.3	19	11,14	16,17		10,12
	14	12,14	18	13	12,13	14,19
	15	30	12,16	X	7,10	22,23
			17,18	6,8		18
AM8HW2	Identifiler® Plus					
3e		17,19,20		14,16,17	10,11,13	11,12
	11,14			8,11,13	11,12,13	14,18,19
	13,14,15	28,29,30		X,Y	10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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AMPHRQ	PowerPlex® 16					
3e	N/A	N/A	N/A	No Results	No Results	No Results
	No Results	N/A	N/A	No Results	No Results	No Results
	N/A	No Results	N/A	No Results	No Results	No Results
	No Results	No Results	N/A	No Results	No Results	No Results
AQ9U3V	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10	22,23
	7,9	7,10,18		6,7,8	8,10,11	16,17,18,19
AQPAV3	Globalfiler					
3e	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR
AXDTF7	Identifiler® Plus					
3e		17,20,21		16,17	11,13	10
	14			8,11,13	12,13	18,19
	15	28,29,31		X	7,10	22
				6,8	10,11	16,17,18
AXRBHB	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11
	11,14			11,12,13	11,12,13	18,19
	13,14,15	28,29,30,31		X	7,10	21,22,23
				6,8	8,10,11	16,17,18
AZYF4C	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21,22],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
B2CGHY	PowerPlex® HS					
3e				16,17	(10),11,13	10,10
	(11),14			11,12	(11),12,13	19,19
		29,31		X,X	7,10,(11)	22,22
	7,9	10,18		(6),(7),8	(8),10,11	(16),17,18,(19)

TABLE 2

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 3e - STR Results

B6PD79	Identifiler® Plus, MiniFiler					
	3e	[17],19,20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	11,12,13	[14],18,19
		[13],14,15	[28],29,30,31	X,Y	7,10,[11]	22,[23]
			[6],7,8	[8],10,11	16,17,18,[19]	
B72FT3	Identifiler® Plus					
	3e	17,[(19)],[(20)],[(21)]		14,[16],17	10,11,[(13)]	10,11,12
		11,14		8,11,12,13	11,[*12*],13	[(14)],[*18*],19
		13,[(14)],15	28,29,30,[(31)]	X,Y	[*7*],10,[(11)]	21.2,22,23
			6,7,8	8,[(10)],11	16,[*17*],[(18)],19	
B8R7R7	Identifiler® Plus					
	3e	[17],20,21		[14],16,17	[10],11,13	10,10
		[11],14,14		[8],11,12,[13]	12,13	19,19
		[13],14,15	[28],29,[30],31	X,X,[Y]	7,10,[11]	22,22,[23]
			[6],[7],8,8	[8],10,11	[16],17,18,[19]	
BAKX6X	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
BBU8TP	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10
		14		11,12	11,12,13	14,19
			28,29,30,31	X,Y	7,10	22,23
	7,9	10,18	6,7,8	8,10,11	16,17,18,19	
BDEG7Q	PowerPlex® 16					
	3e	NA	NA	NA	14,16,17	10,11,[13]
		11,14	NA	NA	8,11,12,13	11,[12],13
		NA	28,[29],30,[31]	NA	X,Y	[7],10,11
	7,9,11,14	7,[10],12[-]	NA	6,7,8	8,[10],11	16,[17],[18],19
BET3FR	PowerPlex® Fusion					
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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BGGXFK	GlobalFiler						
	3e	14,16.3,[17.3],[18.3]	[17],20,21	11,14	[14],16,17	11,13	10,10,[11],[12]
		[11],14,14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],19,19
		[13],14,15	[28],29,[30],31	12,16,[17]	X,X,[X],[Y]	7,10,[11]	[21.2],22,22,[23]
			17,18,[19]	[6],[7],8,8	[8],10,11	[16],17,18,[19]	
BJPYMC	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14			[8],11,12,[13]	[11],12,13	[14],19,19
		[13],14,15	[28],29,[30],31		X,X,[Y]	7,[10],[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	17,18,[19]	
BM6D9X	Identifiler® Plus						
	3e		20,21		16,17	11,13	10
		14			11,12,[13]	12,13	19
		14,15	[28],29,[30],31		X	7,10	22
				[7],8	10,11	17,18	
BNGC47	Identifiler® Plus						
	3e		17,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18	
BPFBNZ	Globalfiler						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
			17,18,[19]	[6],[7],8,8	10,11	[16],17,18,[19]	
BPVU7C	Identifiler® Plus						
	3e		[17],20,21		[14],16,17	[10],11,13	10,10,[11]
		[11],14,14			[8],11,12,[13]	[11],12,13	[14],19,19
		[13],14,15	[28],29,[30],31		X,X,[Y]	7,10	22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]	
BRWEYX	Identifiler® Plus						
	3e		17,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	12,13	14,19
		14,15	28,29,30,31		X,X	7,10,11	22,23
				6,7,8	8,10,11	17,18,19	

TABLE 2

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

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C4PXD4	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
C6HZUQ	Identifiler®					
3e		20,21		14,16,17	10,11,13	10,11
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	29,30,31	X,Y	7,10	21.2,22,23
				8		16,17,18,19
C6TWUC	Identifiler®					
3e		(17),(19),20,21		(14),16,17	11,13	10,10
		(11),14		(8),11,12,(13)	12,13	
		(13),14,15	(28),29,31	X,(Y)	7,10	22,0
				(6),8	(8),10,11	17,18
C8NGBV	PowerPlex® 16					
3e				16,17#	11,13#	10#
				14#	11,12#	19#
			29^,31#	X#	7,10#	22#
		7,9#	10,18#	8#	10,11#	17,18#
C9KH4K	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
C9KH77	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
CAE4YX	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	17,18,[19]

TABLE 2

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

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CAYZAC	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11
		11,14			8,11,12,13	11,12,13	14,19
		14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	16,17,18,19	
CBUHBD	Identifiler®, GlobalFiler						
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	21.2,22,23
	-	-	17,18,19	6,7,8	8,10,11	16,17,18,19	
CEPAJA	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]	
CFKWTT	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11]
		[11],14			[8],11,12,[13]	12,13	[14],19
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]	
CGXBG3	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11
		11,14			11,12,13	12,13	19
			29,31		X,Y	7,10	22,23
	7,9,11	7,10,18		6,7,8	8,10,11	16,17,18,19	
CHBBPD	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
CHTUJ4	PowerPlex® 16 HS						
	3e				16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	

TABLE 2

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 3e - STR Results

CLPD83	Identifiler® Plus					
3e	-	17,19,20,21	-	14,16,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	-	X,Y	7,10,11	21.2,22,23
	-	-	-	6,7,8	8,10,11	16,17,18,19
CM2R24	Identifiler® Identifiler Plus Kit					
3e	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
CNZC6B	Identifiler® Plus					
3e		20,21		[14],16,17	[10],11,13	10,[11]
	[11],14			[8],11,12,[13]	[11],12,13	19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
CQFMGZ	Identifiler® Plus					
3e	-	17,19,20,21	-	14,16,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	-	X,Y	7,10,11	21.2,22,23
	-	-	-	6,7,8	8,10,11	16,17,18,19
CQJFN2	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9	7,10,12,18		6,7,8	8,10,11	16,17,18,19
D22PFR	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9	10,18		6,7,8	8,10,11	17,18,19
D2YGB9	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
	[11],14,14			[8],11,12,[13]	[11],12,13	[14],[18],19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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D38282	PowerPlex® HS					
3e				14,16,17	10,11,13	10,11
	11,14			8,11,12	11,12,13	19
		29,31		X,Y	7,10	22,23
	7,9	10,18		6,7,8	8,10,11	16,17,18,19
D7CPPD	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
DACZHR	Identifiler® Identifiler Plus					
3e		20,21		16,17	11,13	10
	11,14			8,11,12	12,13	19
	14,15	28,29,31		X	7,10	22
				8	8,10,11	17,18
DATL2N	Identifiler® Plus					
3e	NA	[17],20,21	NA	[14],16,17	11,13	10,[11]
	[11],14	NA	NA	[8],11,12,[13]	12,13	[14],19
	14,15	29,31	NA	X	7,10	22,[23]
	NA	NA	NA	[6],8	10,11	17,18,[19]
DEPKYD	PowerPlex® 21					
3e	14,16.3	[17],20,21		[14],16,17	11,13	10,[11]
	[11],14		17,18	11,12	[11],12,13	[14],[18],19
	14,15	29,[30],31		X,X	7,10,[11]	22,22
	7,9	10,[12],18		[6],8	10,11	17,18
DF4VTC	Identifiler® Plus					
3e		19,20,21		14,16,17	11,13	10
	11,14			8,11,12,13	11,12,13	18,19
	14,15	28,29,30,31		X,Y	7,10	22,23
				6,8	8,10,11	16,17,18
DQ2YW7	Identifiler® Plus, MiniFiler					
3e		19,20,21		16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	19
	14,15	28,29,30,31		X	7,10	22
				6,8	10,11	17,18

TABLE 2

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

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DRR7UN	Identifiler® Plus						
	3e	[17],[19],20,21		[14],16,17	10,11,13	10,[11],[12]	
		[11],14		[8],11,12,[13]	[11],12,13	14,18,19	
		[13],14,15	28,29,30,31	X,[Y]	7,10,[11]	[21.2],22,[23]	
			[6],[7],8	[8],10,11	[16],17,18,[19]		
DVTMGD	PowerPlex® Fusion						
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10
		11,14	12,14	17,18,21,24	11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	22,23
	7,9,14	10,18		6,7,8	8,10,11	16,17,18,19	
DW2UJ7	GlobalFiler						
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
			17,18,19	6,7,8	8,10,11	16,17,18,19	
DXZB6W	Identifiler®						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
					8,11,12,13	11,12,13	14,18,19
					X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
DYC3YX	Identifiler® Plus						
	3e		17,19,20,21		14,15,16,17	10,11,13	10,11,12
					11,12,13	11,12,13	14,18,19
					X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
DYZ2YW	Identifiler®						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
					8,11,12,13	11,12,13	14,18,19
					X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
DZN2U8	Identifiler® Plus, MiniFiler						
	3e		[17],20,21		[14],16,17	[10],11,13	10,[11],[12]
					[8],11,12,[13]	[11],12,13	[14],19
			[13],14,15	[28],29,[30],31	X	7,10,[11]	[21.2],22
				[6],[7],8	10,11	17,18,[19]	

TABLE 2

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

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E2BF3W	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,10
	11,14			8,11,12	12,13	14,19
	13,14,15	28,29,30,31		X,Y	7,10,11	22,22
				6,7,8	8,10,11	16,17,18,19
E7NF39	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ECYM28	Identifiler® Plus, MiniFiler (see comments)					
3e		17,19,20,21		16,17	10,11,13	10
	14			8,11,12,13	12,13	19
	14,15	28,29,31		X,Y	7,10	22
				6,8	10,11	16,17,18
EDM8JW	PowerPlex® 16, HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
EEY6VT	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
EHZHN8	Identifiler® Plus					
3e		(17),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
	(11),14,14			(8),11,12,(13)	12,13	(14),(17),19,19
	14,15	(28),29,(30),31		X,X,(Y)	7,10,(11)	22,22,(23)
				(6),(7),8,8	(8),10,11	(16),17,18,(19)
EJCHK2	Identifiler® Plus					
3e	-	[17],[19],20,21	-	[14],16,17	[10],11,13	10,[11],[12]
	[11],14	-	-	[8],11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31	-	X,[Y]	7,10,[11]	[21.2],22,[23]
	-	-	-	[6],8	[8],10,11	[16],17,18

TABLE 2

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 3e - STR Results

ELQWUB	Identifiler® Plus					
3e		17,20,21		14,16,17	11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
	14,15	29,31		X,Y	7,10,11	22,23
				6,8	8,10,11	17,18,19
EQJ6WV	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9,11	10,12,18		6,7,8	8,10,11	16,17,18,19
ET2EY2	Identifiler® Plus					
3e	NA	20,21	NA	16,17	11,13	10,10
	14,14	NA	NA	11,12	12,13	19,19
	14,15	29,31	NA	X,X	7,10	22,22
	NA	NA	NA	8,8	10,11	17,18
ETMJ72	Identifiler® Plus					
3e	-	[17],[19],20,21	-	[14],[15],16,17	[10],11,[12],13	10,[11],[12]
	[11],[13],14	-	-	[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	-	X,Y	7,10,[11]	[21.2],22,[23]
	-	-	-	[6],[7],8	[8],[9],10,11	[16],17,18,[19]
ETVTUT	Identifiler® ID28					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
EW8PZC	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,[11],[12]
	11,14			8,11,12,13	[11],12,13	[14],18,19
	13,14,15	28,29,[30],31		X,[Y]	7,10,[11]	21.2,22,[23]
				6,7,8	[8],10,11	[16],17,18,19
EXB48W	Identifiler® Plus					
3e		[17],20,21		[14],16,17	11,13	10,[12]
	[11],14			[8],11,12,[13]	12,13	[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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 3e - STR Results

EZ3JXD	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
EZ3LMG	PowerPlex® 16 HS					
	3e			14,16,17	11,13	10,12
		11,14		8,11,12	12,13	19
			29,31	X,Y	7,10,11	22
	7,9,11	7,10,18	6,8	10,11	17,18	
EZMBU4	Identifiler® Plus					
	3e	17,19,20,21		[14],16,17	10,11,13	10,[11],[12]
		[11],14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,[11]	[21.2],22,[23]
			6,7,8	[8],10,11	16,17,18,[19]	
F38QFW	Identifiler® Plus					
	3e	20,21		14,16,17	10,11,13	10
		14		11,12,13	12,13	19
		13,14,15	29,30,31	X	7,10,11	22
			6,7,8	10,11	16,17,18,19	
F4HHJ7	Identifiler® Plus					
	3e	[19^],20,21		[14^],16,17	[10^],11,13	10,[11^],[12^]
		[11^],14		[8^],11,12,[13^]	12,13	19
		[13^],14,15	[28^],29,[30^],31	X,[Y^]	7,10,[11^]	[21.2^],22,[23^]
			[6^],[7^],8	[8^],10,11	[16^],17,18,[19^]	
F6RR8W	PowerPlex® PP16 HS					
	3e			16,17	10,11,13	10
		14		11,12	12,13	19
			29,30,31	X,Y	7,10	22
	7,9	10,18	6,7,8	10,11	16,17,18	
F73HL8	Identifiler® Plus					
	3e	[19],20,21		[14],16,17	[10],11,13	10,10
		[11],14,14		[8],11,12	[11],12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31	X,X,[Y]	7,10	22,22,[23]
			[6],[7],8,8	10,11	[16],17,18,[19]	

TABLE 2

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

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F78YJ7	Identifiler®					
	3e	17,19,20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14		[8],11,12,[13]	[11],12,13	14,18,19
		13,14,15	28,29,30,31	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
			[6],[7],8,8	[8],10,11	[16],17,18,[19]	
F9Q34W	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,12
		14		11,12,13	12,13	19
			29,31	X	7,10	22,23
	7,9	10,18	6,8	10,11	17,18,19	
FAMQVN	Identifiler® Plus					
	3e	[17,19],20,21		[14],16,17	[10],11,13	10,[11],12
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6,7],8	[8],10,11	[16],17,18,[19]	
FFR7HV	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
FG7QB7	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,12,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
FHZB9D	Identifiler® ID Plus					
	3e	[17],20,21		[14],16,17	[10],11,13	10
		[11],14		11,12,[13]	12,13	[18],19
		14,15	[28],29,[30],31	X	7,10	[21.2],22,[23]
			8	[8],10,11	[16],17,18	
FLFTBF	PowerPlex® 16 HS					
	3e			[14],16,17	[10],11,13	10,[12]
		[11],14		[8],11,12,[13]	12,13	[14],19
			[28],29,[30],31	X,[Y]	7,10	22
	7,9	[7],10,18	[6],7,8	[8],10,11	17,18	

TABLE 2

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 3e - STR Results

FLFTD2	Identifiler® Plus						
	3e	no profile	[17],[19],20,21	no profile	[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14	no profile	no profile	[8],11,12,[13]	[11],12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31	no profile	X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
	no profile	no profile	no profile	[6],[7],8,8	[8],10,11	[16],17,18,[19]	
FM72BJ	GlobalFiler						
	3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
			17,18,19	6,7,8	8,10,11	16,17,18,19	
FMBV66	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
FMCAND	Identifiler® Plus						
	3e		(17),(19),20,21		(14),16,17	(10),11,13	10,(11),(12)
		(11),14			(8),11,12,(13)	12,13	(14),19
		(13),14,15	(28),29,(30),31		X,(Y)	7,10,(11)	(21.2),22,(23)
				(6),8	(8),10,11	(16),17,18,(19)	
FRPWDB	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
FRRUH6	Identifiler® Plus						
	3e				16,17		
		14			12		
					X		
				8			
FTH3H9	Identifiler® Plus						
	3e		17,20,21		14,16,17	10,11,13	10,11
		11,14			8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31		X,Y	7,10	21.2,22,23
				6,8	8,10,11	17,18	

TABLE 2

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 3e - STR Results

FTWEC8	Identifiler® Plus					
3e		20 [^] ,21		16,17	[10 [^]],11,13	10
		14		11,12	12,13	[18 [^]],19
		14,15	29,31	X	7,10	22,[23 [^]]
				8	10,11	17,18,[19 [^]]
FU8FX7	Identifiler® Plus					
3e		[17 [^]],[19 [^]],20,21		[14 [^]],16,17	[10 [^]],11,13	10,[11 [^]],[12 [^]]
		[11 [^]],14		[8 [^]],11,12,[13 [^]]	[11],12,13	[14 [^]],[18],19
		[13 [^]],14,15	[28],29,[30 [^]],31	X,[Y [^]]	7,10,[11 [^]]	[21.2 [^]],22,[23 [^]]
				[6 [^]],[7 [^]],8	[8 [^]],10,11	17,18,[19 [^]]
FXR6HH	Identifiler® Plus					
3e		no profile in e fraction		no profile in e fraction		no profile in e fraction
FY78DC	PowerPlex® Fusion					
3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,[11],[12]
	[11],14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],**[17],[18],19
	[13],14,15	[28],29,[30],31	12,16,[17]	X	7,10,[11]	[21.2],22,[23]
	7,9,[14]	10,[12],18		[6],[7],8	[8],10,11	[16],17,18,[19]
FZX6PP	Identifiler® 1510189					
3e		17,19,[20],[21]		14,[16],17	10,11,[13]	10,11,12
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19
GA4VXY	Identifiler® Plus					
3e	N/A	17,19,20,21	N/A	14,16,17	11,13	10,12
	11,13,14	N/A	N/A	8,11,12	11,12,13	14,18,19
	13,14,15	28,29,30,31	N/A	X,Y	7,10,11	22,23
	N/A	N/A	N/A	6,7,8	8,10,11	16,17,18
GAZPHK	PowerPlex® 16					
3e	N/A	N/A	N/A	14,16,17□	10,11,[13]□	10,11,12□
	14,[-]	N/A	N/A	8,11,12,13	11,12,13□	[18],19,[-]□
	N/A	28,29,31,-□	N/A	X,[Y]□	7,10	22,[-]
	7,9,[-]	10,18,-□	N/A	[7],8,[-]□	8,11,-□	16,17,18,19□

TABLE 2

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 3e - STR Results

GDG8LM	Identifiler® Plus					
	3e	[17],20,21		[14],16,17	11,13	10
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	29,[30],31	X,[Y]	7,10	22,[23]
			[6],[7],8	10,11	17,18,[19]	
GK4G96	Identifiler® Plus, MiniFiler					
	3e	17,19,20,21		14,16,17	11,13	10,11,12
		14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10	22
			8	8,10,11	16,17,18	
GKJPAP	Identifiler®					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
GKZXZ8	Identifiler®					
	3e	(17),(19),20,21		(14),16,17	(10),11,13	10
		(11),14		(8),11,12	(11),12,13	(14),19
		(13),14,15	(28),29,31	X,(Y)	7,10,(11)	(21.2),22
			(6),(7),8	(8),10,11	(16),17,18,(19)	
GM6YAZ	Identifiler® +, MiniFiler					
	3e	17,19,20,21		14,16,17	10,11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	11,12,13	[14],[18],19
		13,14,15	28,29,30,31	X,[Y]	7,10,11	[21.2],22,[23]
			[6],[7],8	8,10,11	[16],17,18,[19]	
GQ9WH8	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	11,13	10
		14		11,12	11,12,13	19
		13,14,15	28,29,31	X	7,10,11	22
			6,7,8	10,11	16,17,18,19	
GUQJ77	PowerPlex® 16					
	3e			16,17	11,13	10
		14		11,12	12,13	19
			29,31	X	7,10	22
	7,9	10,18	[6],[7],8	10,11	[16],17,18	

TABLE 2

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 3e - STR Results

GYZC8C	PowerPlex® Fusion						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,[12],13	10,[11],[12]
		[11],14,[15]	12,14	17,18,[21],[24]	11,12	[10.3],[11],12,13	[14],[17],19
		14,15	[28],29,[30],31	12,16,[17]	X,[Y]	7,10	22,[23]
		7,9,[11],[14]	10,[12],18	[6],[7],8	[8],10,11	17,18,[19]	
H8RF3D	GLOBALFILER						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	12,13	[14],19,19
		[13],14,15	[28],29,[30],31	12,16,[17]	X,X,[X],[Y]	7,10	[21.2],22,22,[23]
			17,18,[19]	[6],[7],8,8	[8],10,11	[16],17,18,[19]	
H9MX4E	Identifiler®						
	3e		17,19,[20]		14,[16],17	10,11	10,11,12
		11,14			8,[11],[12],13	11,[12],13	14,18,19
		13,14,15	28,[29],30,[31]		X,Y	10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19	
HBQANF	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11]
		[11],14			[8],11,12	12,13	19
		14,15	29,[30],31		X,[Y]	7,10	22,[23]
				[6],[7],8	10,11	17,18	
HC3PTL	PowerPlex® 16 HS						
	3e				16,17	11,13	10
		14			11,12	12,13	19
			29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18	
HEAHX2	PowerPlex® Fusion						
	3e	14,16.3,17.3	17,19,20,21	11,14	14,16,17	11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
HER2RR	Identifiler®						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31		X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18	

TABLE 2

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 3e - STR Results

HFFZWW	Identifiler® Plus					
	3e	[17],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14		[8],11,12,[13]	[11],12,13	[14],19,19
		[13],14,15	[28],29,31	X,X	7,10	[21.2],22,22
			[6],8,8	[8],10,11	[16],17,18,[19]	
HJQ7UC	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
			28,29,30,31	X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
HLBZNR	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10
		[11],14		[8],11,12,[13]	[11],12,13	[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
HLT2EZ	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14		[8],11,12,[13]	[11],12,13	[14],19,19
		[13],14,15	[28],29,[30],31	X,X,[X],[Y]	7,10,[11]	[21.2],22,22,[23]
			[6],[7],8,8	[8],10,11	[16],17,18,[19]	
HMGMXP	Identifiler®					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
HNC7YR	Identifiler®					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
HNWGN7	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,17,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	

TABLE 2

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 3e - STR Results

HQH3GU	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
HQKD7Q	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
HRVD9C	PowerPlex® 16 HS					
3e		-	-	14,16,17	10,11,13	10,11,12
		11,14	-	8,11,12,13	11,12,13	14,19
		-	28,29,30,31	X,Y	7,10,11	22,23
		7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19
HWQ3R6	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
HZ8ELZ	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		14,15	29,31	X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	16,17,18,19
J4283V	Identifiler® Plus					
3e		20,21		[14],16,17	[10],11,13	10,10
		[11],14		11,12	[11],12,13	[18],19
		[13],14,15	[28],29,[30],31	X,X	7,10	22,22
				[6],[7],8	10,11	[16],17,18
J4HJK2	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,12
		11,14		8,11,12,13	11,12,13	18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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J4Z3DR	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	14			8,11,12	12,13	14,19
		29,31		X,Y	7,10,11	22,23
	7,9,11	7,10,18		6,8	8,10,11	16,17,18,19
J7E6P7	Identifiler® Plus					
3e		[17],20,21		[14],16,17	[10],11,13	10
	[11],14			[8],11,12,[13]	12,13	[14],[17],19
	14,15	[28],29,[30],31		X,[Y]	7,10	[21.2],22,[23]
				[6],[7],8	[8],10,11	17,18,[19]
J7T4TB	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15	17,18,21,24	8,11,12	11,12,13	14,18,19
	13,14,15	28,29,30,31	12,16	X	7,10,11	21.2,22
	7,9	10,18		6,7,8	8,10,11	17,18,19
JC332Z	Identifiler® Plus					
3e		[17,19],20,21		[14],16,17	[10],11,13	10,10,[11,12]
	[11],14,14			[8],11,12,[13]	[11],12,13	[14,18],19,19
	[13],14,15	[28],29,[30],31		X,X,[X,Y]	7,10,[11]	[21.2],22,22,[23]
				[6,7],8,8	[8],10,11	[16],17,18,[19]
JHMM6V	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10
	[11],14			[8],11,12,[13]	12,13	19,19
	[13],14,15	[28],29,[30],31		X,X	7,10,[11]	22,22
				[6],[7],8	10,11	[16],17,18,[19]
JKQBM7	PowerPlex® FUSION					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14	17,18,21,24	11,12	11,12,13	14,18,19
	13,14,15	28,29,30,31	12,16,17	X,Y	7,10	22,23
	7,9,11,14	10,12,18		6,7,8	8,10,11	16,17,18,19
JXWYQE	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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K2UG4E	Identifiler®, PowerPlex® ESI 16, NGM					
3e	14,16,3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
				8	10,11	17,18
K3R2FY	Identifiler® Plus					
3e		[17],[19],20,21		16,17	[10],11,13	10,10,[11]
	14,14			11,12,[13]	[11],12,13	19,19
	[13],14,15	[28],29,31		X,X,[X],[Y]	7,10	[21.2],22,22,[23]
				[7],8,8	10,11	[16],17,18,[19]
K4H9DG	PowerPlex® 16 HS					
3e	-	-	-	14,16,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,12,13	14,19
	-	28,29,31	-	X,Y	7,10,11	22
	7,9	7,10,12,18	-	6,7,8	8,10,11	17,18,19
K788HM	Identifiler®					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
	[11],14,14			[8],11,12,[13]	[11],12,13	19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7 < 10	[21.2],22,22
				[7],8,8	[8],10,11	[16],17,18,[19]
K7RZY6	Identifiler®					
3e		(17),(19),20,21		(14),16,17	(10),11,13	10,(11),(12)
	(11),14			(8),11,12,(13)	12,13	(14),(18),19
	(13),14,15	(28),29,(30),31		X,(Y)	7,10,(11)	(21.2),22,(23)
				(6),8	(8),10,11	(16),17,18,(19)
KBHV3W	Identifiler® Plus					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
KCW9VY	Identifiler® Plus					
3e		17,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
	14,15	28,29,30,31		X	7,10,11	21.2,22,23
				6,8	10,11	16,17,18,19

TABLE 2

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

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KDTBYH	PowerPlex® 16 HS	3e			14,16,17	10,11,13	10,11
			11,14		8,11,12	11,12,13	14,19
				28,29,30,31	X,Y	7,10	22,23
			7,9	10,18	6,7,8	8,10,11	17,18,19
KEXQWV	Identifiler® Plus	3e		17,20,21	14,16,17	10,11,13	10,12
			11,14		8,11,12,13	11,12,13	14,19
			14,15	28,29,31	X,Y	7,10,11	21.2,22,23
					6,8	8,10,11	17,18,19
KFDUQM	Identifiler® Plus	3e		[17],20,21	[14],16,17	11,13	10,[11],[12]
			[11],14		[8],11,12,[13]	[11],12,13	[14],19
			[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
					[6],[7],8	[8],10,11	[16],17,18
KKP7Y2	Identifiler® Plus	3e		[19],20,21	[14^],16,17	[10^],11,13	10,[11^]
			14		[8^],11,12,[13^]	12,13	19
			14,15	[28^],29,[30^],31	X	7,10	22
					[7^],8	[8^],10,11	17,18
KL332L	Identifiler® Plus	3e		17,20,21	14,16,17	10,11,13	10,11,12
			11,14		8,11,12,13	11,12,13	14,18,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,8	8,10,11	16,17,18,19
KNPE3C	Identifiler®	3e		17,19,20,21	14,16,17	10,11,13	10,11,12
			11,14		8,11,12,13	11,12,13	14,18,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
KT7W9Z	Identifiler® Plus, MiniFiler	3e		19,20,21	16,17	10,11,13	10
			14		8,11,12,13	11,12,13	18,19
			13,14,15	28,29,30,31	X	7,10	22
					6,8	10,11	16,17,18

TABLE 2

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

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KTHHUV	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,11,12
		14		8,11,12,13	12,13	19
			29,30,31	X,Y	7,10	22,23
		7,9	10,18	6,7,8	8,10,11	16,17,18,19
KWLA3V	Identifiler® Plus					
	3e	N/A	19,20,21	N/A	16,17	11,13
		14	N/A	N/A	11,12	12,13
		13,14,15	29,31	N/A	X	7,10
		N/A	N/A	8	10,11	17,18
KWZQ72	Identifiler® Plus					
	3e		17,19,20,21		14,16,17	10,11,13
		11,14			8,11,12,13	11,12,13
		13,14,15	28,29,30,31		X,Y	7,10,11
				6,7,8	10,11	17,18,19
KXGXD4	Identifiler® Plus					
	3e		17,20,21		14,16,17	11,13
		11,14			8,11,12,13	12,13
		14,15	29,31		X	7,10,11
				6,8	8,10,11	17,18,19
KY97D8	Identifiler® Plus					
	3e		[17],[19],20,21		[14],16,17	[10],11,13
		[11],14			[8],11,12,[13]	[11],12,13
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]
				[6],[7],8	[8],10,11	[16],17,18,[19]
KZ69FQ	Identifiler®					
	3e		17,19,20,21		14,16,17	10,11,13
		11,14			8,11,12,13	11,12,13
		13,14,15	28,29,30,31		X,Y	7,10,11
				6,7,8	8,10,11	16,17,18,19
KZYX3D	PowerPlex® 16					
	3e	NA	NA	NA	No Results	No Results
		No Results	NA	NA	No Results	No Results
		NA	No Results	NA	No Results	No Results
	No Results	No Results	NA	No Results	No Results	No Results

TABLE 2

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 3e - STR Results

L7HEEN	Identifiler®					
3e		17,20,21		14,16,17	11,13	10
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X	7,10,11	22
				7,8	8,10,11	17,18
L7QMQ3	Identifiler® Plus					
3e		17,20,21		14,16,17	11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
		14,15	29,30,31	X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	17,18,19
L8YVP2	PowerPlex® 16					
3e				[14],16,17	[10],11,13	10
				11,12	12,13	[14],19
		[28],29,31		X,[Y]	7,10	22
		7,9	10,18	[6],[7],8	[8],10,11	[16],17,18,[19]
L99B63	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
LB2PTX	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		14		8,11,12,13	11,12,13	14,18,19
		14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,8	10,11	16,17,18
LBX8K2	PowerPlex® 16					
3e				[14],16,17	[10],11,13	10
				11,12	[11],12,13	19
		[28],29,[30],31		X,[Y]	7,10	22
		7,9	10,18	[6],[7],8	10,11	[16],17,18,[19]
LCRXQF	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11
		11,14		8,11,12,13	12,13	19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3e - STR Results

LE3QUV	Identifiler® Plus					
3e		[17],20,21		[14],16,17	[10],11,13	10,10
	[11],14,14			[8],11,12,[13]	[11],12,13	19,19
	[13],14,15	29,[30],31		X,X	7,10,[11]	22,22
				[6],[7],8,8	10,11	[16],17,18,[19]
LJ8BH8	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12	10.3,11,12,13	14,18,19,20
	13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	22
	7,9,11	7,10,12,18		6,7,8	8,10,11	16,17,18,19
LJAGW2	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10
	[11],14,14			[8],11,12,[13]	[11],12,13	[14],19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	22,22,[23]
				[6],[7],8,8	[8],10,11	17,18,[19]
LJD2LP	Identifiler® Plus					
3e		[17],[19],20,21		16,17	[10],11,13	10,[12]
	[11],14			[8],11,12	[11],12,13	19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],8	[8],10,11	[16],17,18,[19]
LKLMAK	Identifiler®, PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	*,12,14	*,17,18,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	*,7,9	*,10,12,18		6,7,8	8,10,11	16,17,18,19
LKM3HW	Identifiler® Plus					
3e		[17],20,21		[14],16,17	[10],11,13	10
	[11],14			[8],11,12,[13]	12,13	19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	22
				[6],8	[8],10,11	[16],17,18,[19]
LMEUWM	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[12]
	[11],14			[8],11,12	12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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LQAT4R	GlobalFiler					
3e	14,16,3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	14	12,14,15,16	17,18	8,11,12,13	11,12,13	[14],19
	13,14,15	28,29,30,31	11,12,16,17	X,[Y]	7,10,11	22,23
			17,18,19	6,8	8,10,11	16,17,18,19
LUNVZH	Identifiler® Plus					
3e	-	20,21	-	16,17	11,13	10
	14	-	-	11,12	12,13	19
	14,15	29,31	-	X,X	7,10	22
	-	-	-	8	10,11	17,18
LUQDQ8	Identifiler®					
3e		20,21		16,17	11,13	10,10
	14,14			11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
				8,8	10,11	17,18
LV3K4V	Identifiler® Plus					
3e	NA	17,19,20,21	NA	14,16,17	10,11,13	10,11,12
	11,14	NA	NA	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	NA	X,Y	7,10,11	21.2,22,23
	NA	NA	NA	6,7,8	8,10,11	16,17,18,19
LWVDYD	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
M2PYFL	Identifiler®					
3e		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
M68RHU	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	11,13	10,10
	[11],14,14			11,12,[13]	[11],12,13	19,19
	14,15	[28],29,31		X,X,[Y]	7,10	[21.2],22,22,[23]
				[6],[7],8,8	10,11	17,18

TABLE 2

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

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M69623	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18,19
M6JNNY	Identifiler®					
3e		[17],20,21		16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	12,13	[14],19
		14,15	[28],29,[30],31	X,[Y]	7,10	[21.2],22,[23]
				8	[8],10,11	[16],17,18
M6PBCL	Identifiler®					
3e		19,20,21		16,17	10,11,13	10
		11,14		8,11,12,13	12,13	18,19
		14,15	28,29,30,31	X	7,10,11	22
				6,7,8	10,11	16,17,18
M7KTDM	Identifiler®					
3e		17,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
M7XHGY	Identifiler® Plus					
3e		[17^],[19^],20,21		[14^],16,17	[10^],11,13	10
		14		[8^],11,12,[13^]	12,13	[18^],19
		[13^],14,15	29,[30^],31	X,[Y^]	7,10	[21.2^],22
				[6^,7^],8	[8^],10,11	[16^],17,18,[19^]
MAEEUB	Identifiler®, MiniFiler					
3e		17,20,21		14,16,17	11,13	10,11
		11,14		8,11,12	11,12,13	14,19
		14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	17,18
MBW9W7	PowerPlex® Fusion					
3e	14,16.3,[17.3],[18.3]	20,21	11,14	[14],16,17	11,13	10
	[11],14	12,14	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],19
	14,15	29,[30],31	12,16	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9	[7],10,18		[6],[7],8	[8],10,11	17,18,[19]

TABLE 2

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

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MCN89J	Identifiler® Plus, PowerPlex® 16 HS					
3e		20,21		16,17	11,13	10
	14			11,12	12,13	19
	14,15	29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18
MCQDQJ	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12	11,12,13	19
		29,30,31		X,Y	7,10,11	22,23
	7,9,14	10,18		6,7,8	8,10,11	16,17,18,19
MCRBX9	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
MDMQA7	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
MFNB3R	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
MGXKQH	PowerPlex® 16					
3e				[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	19
		29,31		X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9	10,18		[6],[7],8	[8],10,11	17,18,[19]
MKXWLH	PowerPlex® 16					
3e				16,17	11,13	10
	14			11,12	12,13	19
		29,31		X	7,10	22
	7,9	10,18		8	10,11	17,18

TABLE 2

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

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MM446A	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10
	11,14			8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10,11	21.2,22
	7,9	10,18		6,8	8,10,11	17,18,19
MQ3HQE	Identifiler® Plus, PowerPlex® HS					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
MQ6N7U	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,13,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21,21.2,22,23
				6,7,8	8,10,11	16,17,18,19
MQKAFV	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				7,8	8,10,11	17,18,19
MUP8YX	Identifiler® Plus					
3e		(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
	(11),14,14			(8),11,12,(13)	(11),12,13	(14),(18),19,19
	(13),14,15	(28),29,(30),31		X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
				(6),(7),8,8	(8),10,11	(16),17,18,(19)
MWPHRD	Identifiler®					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10
	[11],14			[8],11,12	[11],12,13	[18],19
	14,15	[28],29,[30],31		X	7,10,[11]	[21.2],22
				[6],8	[8],10,11	[16],17,18,[19]
MX8T66	Identifiler® Plus					
3e		[17],19,20,21		16,17	[10],11,13	10,[12]
	[11],14			[8],11,12,[13]	[11],12,13	19
	[13],14,15	28,29,[30],31		X,Y	7,10,[11]	[21.2],22,[23]
				[6],7,8	[8],10,11	[16],17,18,[19]

TABLE 2

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 3e - STR Results

MY2EXW	Identifiler® Plus						
	3e	NA	[17],20,21	NA	[14],16,17	[10],11,13	10,10
		14,14	NA	NA	11,12	[11],12,13	19,19
		[13],14,15	[28],29,[30],31	NA	X,X,[Y]	7,10	22,22
		NA	NA	NA	[6],[7],8,8	[8],10,11	[16],17,18,[19]
MY6YNK	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,19
			28,29,30,31		X,Y	7,10,11	22,23
		7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
MYZQ96	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
					[6],[7],8	[8],10,11	[16],17,18,[19]
MZDUT4	PowerPlex® Fusion						
	3e	14,16.3,17.3,18.3	17,20,21	11,14	16,17	10,11,13	10,11,12
		11,14	12,14	17,18,21,24	11,12	11,12,13	14,18,19
		13,14,15	28,29,30,31	12,16	X,Y	7,10,11	22
		7,9	10,18		6,7,8	10,11	16,17,18
N4PMB2	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
N4UXEK	PowerPlex® HS						
	3e				16,17	11,13	10,[12]
		14			[8],11,12,[13]	[11],12,13	[14],[18],19
			[28],29,[30],31		X,[Y]	7,10,[11]	22
		7,9,[14]	[7],10,[12],18		[6],[7],8	[8],10,11	[16],17,18,[19]
N7XCPQ	Identifiler® Identifiler Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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N89CJZ	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		
N8Q3U6	PowerPlex® Fusion						
	3e	14,16,3	[19],20,21	11,14	[14],16,17	[10],11,13	10,[11]
		[11],14	12,14,[15]	17,18,[21],[24]	[8],11,12	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	12,16,[17]	X,[Y]	7,10	22
	7,9,[11]	10,18		[6],[7],8	[8],10,11	17,18,[19]	
NAHKAQ	Identifiler® Plus						
	3e	-	[17],20,21	-	[14],16,17	11,13	10
		14	-	-	11,12,[13]	12,13	[14],19
		14,15	29,31	-	X	7,10	[21.2],22,[23]
	-	-	-	[6],8	[8],10,11	17,18	
NEDE67	PowerPlex® 16 HS						
	3e			14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,19	
			28,29,30,31	X,Y	7,10	22,23	
	7,9	10,18	6,7,8	8,10,11	16,17,18,19		
NGY79W	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11	
		11,14		8,11,12,13	11,12,13	14,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	22,23	
			6,7,8	8,10,11	16,17,18		
NHA8V	Identifiler® IdentifilerPlus						
	3e	17,19,20,21		14,15,16,17	10,11,13	10,11,12	
		11,13,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		
NHRANP	Identifiler® Plus						
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[12]	
		[11],14		[8],11,12,[13]	[11],12,13	[14],19	
		[13],14,15	[28],29,31	X	7,10,[11]	[21.2],22,[23]	
			[6],[7],8	[8],10,11	[16],17,18,[19]		

TABLE 2

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

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NLUWE8	Globalfiler						
	3e	14,16,3,17,3,18,3	17,19,20,21	11,14	14,16,17	10,11,13	10,12
		11,14	12,14,15,16	17,18,21,24	8,11,12	11,12,13	14,18,19
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	22
			17,18,19	6,8	8,10,11	16,17,18,19	
NM74RV	PowerPlex® FUSION						
	3e	14,16,3,[17.3]	[17],20,21	11,14	[14],16,17	11,[13]	10,[12]
		[11],14	12,14	17,18	11,12,[13]	[11],12,13	[14],19
		[14],15	29,31	12,16	X	7,10	22,[23]
	7,9,[14]	10,18		[6],8	10,11	17,18	
NP6AW7	Identifiler®						
	3e		17,19,20,21		16,17	10,11,13	10,11
		14			8,11,12	11,12,13	19
		13,14,15	28,29,30,31		X,Y	7,10	22,23
				6,7,8	8,10,11	16,17,18	
NPAHCL	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	12,13	14,19
			29,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,18		6,7,8	8,10,11	16,17,18,19	
NQNQEU	Identifiler® Plus						
	3e		20,21		16,17	11,13	10
		11,14			11,12	12,13	19
		13,14,15	29,31		X	7,10,11	22
				8	10,11	16,17,18	
NTAQFV	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21,2,22,23
				6,7,8	8,10,11	16,17,18,19	
NVBB7V	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	10,11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	[11],12,13	[18],19
		13,14,15	28,29,30,31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]	

TABLE 2

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 3e - STR Results

NVTUZL	PowerPlex® HS	3e			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,19	
				29,31	X,Y	7,10,11	21.2,22,23	
			7,9,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
NW6LUN	Identifiler® Plus	3e		17,19,20,21	14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
					6,7,8	8,10,11	16,17,18,19	
NZRY38	PowerPlex® 16 HS	3e			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,19	
				28,29,30,31	X,Y	7,10	22,23	
			7,9	7,10,18	6,7,8	8,10,11	16,17,18,19	
P2JYHC	Identifiler®	3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13	10,[11]
			[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13	[14],19
			[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	[21.2],22,[23]
			N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]
P2ZM2W	Identifiler® Plus	3e		17,19,20,21	14,16,17	10,11,13	10,12	
			14,14		8,11,12,13	12,13	14,19	
			14,15	28,29,30,31	X,X	7,10,11	21.2,22,23	
					6,7,8	8,10,11	17,18,19	
P3CDXU	Identifiler® Plus, MiniFiler	3e		17,19,20,21	14,16,17	10,11,13	10,11,12	
			11,13,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
					6,7,8	8,10,11	16,17,18	
P888VV	PowerPlex® Fusion	3e	14,16.3,18.3	17,20,21	11,14	14,16,17	10,11,13	10,11,12
			11,14	12,14,15,16	17,18,21	8,11,12,13	11,12,13	14,18,19
			13,14,15	28,29,30,31	12,16	X,Y	7,10	21.2,22,23
			7,9,11	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3e - STR Results

P92X2B	GlobalFiler						
	3e	14,16,3	19,20,21	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	12,13	18,19
		13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10	22
			17,18,19	6,7,8	8,10,11	17,18	
P9696U	Identifiler® Plus						
	3e		17,20,21		14,16,17	10,11,13	10
		11,14			8,11,12,13	11,12,13	18,19
		13,14,15	28,29,30,31		X,Y	7,10	21,2,22
				7,8	8,10,11	16,17,18,19	
P9G6BY	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14			[8],11,12,[13]	[11],12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]	
PAC86N	Identifiler®						
	3e	-	[19],20,21	-	16,17	11,13	10
		14	-	-	[8],11,12	[11],12,13	[14],19
		14,15	[28],29,[30],31	-	X	7,10	22
	-	-	-	[6],[7],8	[8],10,11	[16],17,18	
PB8P7P	Identifiler® Plus						
	3e	-	(17),(19),20,21	-	(14),16,17	(10),11,13	10,(11),(12)
		(11),14	-	-	(8),11,12,(13)	(11),12,13	(14),(18),19
		(13),14,15	(28),29,(30),31	-	X,(Y)	7,10,(11)	(21.2),22,(23)
	-	-	-	(6),(7),8	(8),10,11	(16),17,18,(19)	
PC2FBJ	Identifiler®						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
PDE86K	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	12,13	14,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	10,11	17,18	

TABLE 2

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

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PK8H9N	Identifiler® Identifiler Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11
	11,14			8,11,12,13	11,12,13	19,19
	13,14,15	28,29,30,31		X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18,19
PRT7WK	Identifiler®					
3e		19,20,21		14,16,17	10,11,13	10,11,12
	14			11,12	11,12,13	14,18,19
	13,14,15	28,29,30,31		X	7,10	22,23
				7,8	8,10,11	16,17,18
PTPAZT	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
PVPMBY	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10	[21.2],22
				[6],[7],8	10,11	[16],17,18,[19]
PVU7Y3	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
PXK276	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
Q2FQTP	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
	[11],14,14			[8],11,12,[13]	[11],12,13	[14],19,19
	[13],14,15	[28],29,31		X,X,[Y]	7,10,[11]	22,22,[23]
				[6],[7],8,8	[8],10,11	17,18,[19]

TABLE 2

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

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Q2TTNG	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
Q3LGTD	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
Q9ZBAN	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
QAQH87	Identifiler®					
3e		19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22
				6,7,8	8,10,11	16,17,18,19
QB3R9Y	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,12,13	10,11,12
	11,14	12,14,16	17,18,21,24	8,11,12	11,12,13	14,18,19
	13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
QBYEEB	Identifiler® Plus, Identifiler, PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	*,10,12
	11,14	12,14,15	*,17,18	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
QG7VWC	Identifiler® Plus					
3e		[17,19],20,21		[14],16,17	[10],11,13	10,[11],12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31		X	7,10,[11]	[21.2],22,[23]
				[6],8	[8],10,11	17,18

TABLE 2

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 3e - STR Results

QGMD8Q	Identifiler® Plus					
3e		20		14,16,17	11	10
	14			8,11,12	11,12,13	19
	14,15	29,31		X	10	22
				8	11	17
QGPHVU	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
QH2EYD	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
QKTUNU	Identifiler® Plus, MiniFiler					
3e		19,20,21		16,17	10,11,13	10,12
	14			11,12	11,12,13	19
	13,14,15	28,29,30,31		X	7,10	22
				8	10,11	16,17,18
QMBG29	Sure ID					
3e	14,16,3	20,21		16,17	11,13	10,10
	14,14		17,18	11,12	12,13	19,19
	14,15	29,31		X,X	7,10	22,22
	7,9	10,18		8,8	10,11	17,18
QMDVJF	Identifiler®					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
QPGQ3J	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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QR9NNW	PowerPlex® 21					
3e	14,16,3,17,3,18,3	17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14		17,18,21,24	8,11,12,13	11,12,13	14,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9	7,10,12,18		6,7,8	8,10,11	16,17,18,19
QT47PX	Identifiler® Plus					
3e		17,20,21		14,16,17	11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
	14,15	29,30,31		X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	17,18,19
QTGWLV	Identifiler® Plus					
3e		[17^],20,21		[14^],16,17	[10^],11,[12^],13	10,[12^]
	14			[8^],11,12,[13^]	[11^],12,13	[18^],19
	[13^],14,15	[28^],29,[30^],31		X	7,10	22,[23^]
				[7^],8	10,11	[16^],17,18,[19^]
QTKGBJ	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,X	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
QXEART	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
QY6GPB	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
		28,29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
QZLNYY	Identifiler®					
3e	-	17,19,20,21	-	16,17	10,11,13	10
	11,14	-	-	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	-	X	7,10	21.2,22
	-	-	-	6,8	10,11	16,17,18

TABLE 2

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 3e - STR Results

R4W4XP	Identifiler® Plus					
3e		20,21		14,16,17	11,13	10
	11,14			8,11,12,13	12,13	19
	14,15	29,31		X	7,10	22
				8	10,11	17,18
R68HEQ	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
R6QU46	PowerPlex® Fusion					
3e	14,16.3,[18.3]	[19],20,21	11,14	16,17	[10],11,13	10,[11],[12]
	[11],14	12,14,[15],[16]	17,18,[21],[24]	11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31	12,16,[17]	X,[Y]	7,10	[21.2],22,[23]
	7,9,[11],[14]	[7],10,18		[6],[7],8	[8],10,11	17,18
R8WETP	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
R9RXVQ	Identifiler® Plus					
3e		19,20,21		14,16,17	10,11,13	10,11
	11,14			8,11,12,13	12,13	14,18,19
	13,14,15	28,29,30,31		X	7,10,11	21.2,22,23
				6,7,8	10,11	16,17,18,19
RB2X3J	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,31		X,[Y]	7,10	[21.2],22
				[6],[7],8	[8],10,11	17,18,[19]
RBWX6J	PowerPlex® Fusion					
3e	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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RGHVRL	Identifiler® Plus					
3e		[(17)],[19],20,21		[(14)],16,17	11,13	10,10,[(12)]
		[*11*],14,14		[(8)],11,12,[(13)]	12,13	[(14)],19,19
		[*13*],14,15	[28],29,31	X,X	7,10	[(21.2)],22,22,[(23)]
				[(6)],[(7)],8,8	[(8)],10,11	[16],17,18,[(19)]
RHEB4H	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
RHGEUT	Identifiler® Plus, MiniFiler					
3e		19,20,21		16,17	10,11,13	10
		14		8,11,12,13	12,13	19
		13,14,15	28,29,30,31	X,Y	7,10	22,23
				8	10,11	16,17,18
RM8ZDF	Identifiler® Plus					
3e		17,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
		13,14,15	29,30,31	X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	17,18,19
RMWUFE	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
RR3UBG	Identifiler®					
3e		19,20,21		14,16,17	10,11,13	10,12
		11,14		8,11,12,13	12,13	18,19
		13,14,15	28,29,30,31	X	7,10	22
				7,8	8,10,11	16,17,18
RTU8ZA	PowerPlex® 16					
3e	N/A	N/A	N/A	14,16,17	10,11,[13]	10,11,12
	11,14	N/A	N/A	8,11,12,13	11,12,13	14,18,19
	N/A	28,[29],30,[31]	N/A	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18	N/A	6,7,8	[8],[10],11	16,[17],[18],19

TABLE 2

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 3e - STR Results

RUYEYP	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	11,13	10,11,12
		11,14			8,11,12,13	12,13	14,19
		14,15	28,29,30,31		X,Y	7,10	21.2,22,23
				6,8	8,10,11	17,18,19	
RY4UXP	Identifiler® Plus						
	3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
RYY4JA	Identifiler® Plus, PowerPlex® 16 HS						
	3e		17,19,20,21		14,16,17	10,11,12,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
RYYLJB	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
RYZJT7	Identifiler® Plus						
	3e		NR		NR	NR	NR
		NR			NR	NR	NR
		NR	NR		NR	NR	NR
				NR	NR	NR	
RZGGL7	Identifiler®						
	3e		17,20,21		14,16,17	10,11,13	10,11
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
RZV3V8	Globalfiler						
	3e	14,16.3,18.3	17,19,20,21	11,14	16,17	10,11,13	10,11
		14	12,14,15,16	17,18	8,11,12,13	11,12,13	19
		14,15	28,29,30,31	11,12,16	X,Y	7,10,11	22,23
			17,18,19	6,7,8	10,11	16,17,18,19	

TABLE 2

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 3e - STR Results

T4FLMC	Identifiler® Plus	3e	20,21	16,17	[10],11,13	10		
		[11],14		[8],11,12,[13]	12,13	[14],[18],19		
		[13],14,15	[28],29,[30],31	X,[Y]	7,10	22		
				[7],8	10,11	[16],17,18		
T7JG9Z	PowerPlex® Fusion	3e	14,16.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,12
		11,14	12,14	17,18,21,24	11,12	11,12,13	14,18,19	
		13,14,15	28,29,30,31	12,16,17	X,Y	7,10,11	21.2,22,23	
		7,9	7,10,18	6,7,8	8,10,11	16,17,18,19		
T8BFKD	Identifiler® Plus, PowerPlex® 16 HS	3e	20,21	16,17	11,13	10		
		14		11,12	12,13	19		
		14,15	29,31	X	7,10	22		
		7,9	10,18	8	10,11	17,18		
T9LEG8	Identifiler® Plus	3e	[17],[19],20,21	[14],16,17	[10],11,13	10,[11],[12]		
		[11],14		8,11,12,13	[11],12,13	[14],[18],19		
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]		
				[6],[7],8	[8],10,11	[16],17,18,[19]		
TALYHU	Identifiler® Identifiler Plus	3e	[17],[19],20,21	[14],16,17	[10],11,13	10,10,[11],[12]		
		[11],14,14		[8],11,12,[13]	[11],12,13	[14],[18],19,19		
		[13],14,15	[28],29,[30],31	X,X,[Y]	7,10	[21.2],22,22,[23]		
				[6],[7],8,8	10,11	[16],17,18,[19]		
TCMJBF	Identifiler® Plus	3e	17,19,20,21	14,16,17	10,11,13	10,11,12		
		11,14		8,11,12,13	11,12,13	14,18,19		
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23		
				6,7,8	8,10,11	16,17,18,19		
TCR7Y2	Identifiler® Plus	3e	17,19,20,21	14,16,17	10,11,13	10,11,12		
		11,14		8,11,12,13	11,12,13	14,18,19		
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23		
				6,7,8	8,10,11	16,17,18,19		

TABLE 2

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

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TF8N6P	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10
		14		[8],11,12,[13]	12,13	19
		[13],14,15	29,[30],31	X	7,10,[11]	22
			[6],8	10,11	[16],17,18	
TGKAQK	GlobalFiler					
	3e	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR
	-	-	NR	NR	NR	NR
TJ6P8L	Identifiler® Plus					
	3e	NT	[17],[19],20,21	NT	[14],16,17	10,11,13
		[11],14,14	NT	NT	11,12,[13]	[11],12,13
		14,15	[28],29,31	NT	X,X	7,10
	NT	NT	NT	[7],8,8	10,11	[21.2],22,22,[23]
					[16],17,18	
TJNZYK	Identifiler® Plus					
	3e	17,19,20		14,16,17	10,11	10,11,12
		11,14		8,11,12,13	11,13	14,18,19
		13,14,15	28,29,30,31	X,Y	10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
TKJPAT	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,12
		14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,X	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
TLEHYK	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
TQNKXA	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
			28,29,30,31	X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	

TABLE 2

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

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TTY9UT	Identifiler® Plus						
	3e		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,19
		13,15	28,30		X	10,11	22,23
				6,7,8	8,11	19	
TUPZGD	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	12,13	[14],19
		[13],14,15	[28],29,31		X	7,10,[11]	[21.2],22,[23]
				[6],8	10,11	[16],17,18,[19]	
TWYL7K	Identifiler® Plus						
	3e		[17],20,21		[14],16,17	11,13	10,[12]
		[11],14			[8],11,12	12,13	[14],19
		14,15	29,[30],31		X,[Y]	7,10,[11]	22,[23]
				[6],8	[8],10,11	[16],17,18	
TXJ7RA	Identifiler®						
	3e	-	21	-	16,17	11	10
		14	-	-	12	12,13	19
		14,15	29,31	-	X	7,10	22
				8	10,11	17,18	
TY3GQM	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,10,[11],[12]
		[11],14,14			[8],11,12,[13]	12,13	[14],[18],19,19
		[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	[21.2],22,22,[23]
				[6],[7],8,8	[8],10,11	[16],17,18,[19]	
TYJMYL	PowerPlex® 16 HS						
	3e				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
TZYX3K	Identifiler® Plus						
	3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]	

TABLE 2

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

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U3VKXE	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
	13,14,15	28,29,31		X,Y	7,10,11	21.2,22,23
				6,8	8,10,11	16,17,18,19
U4CGPE	Identifiler®, PowerPlex® ESI17 Pro, NGM SElect					
3e	14,16.3	20,21	11,14	16,17	11,13	10
	14	12,14	17,18	11,12	12,13	19
	14,15	29,31	12,16	X	7,10	22
			17,18	8	10,11	17,18
U4Q3YG	Identifiler® Plus					
3e		[17],20,21		[14],16,17	[10],11,13	10,10,[11]
	[11],14,14			[8],11,12,[13]	[11],12,13	[14,18],19,19
	[13],14,15	[28],29,[30],31		X,X,[Y]	7,10,[11]	22,22
				[6,7],8,8	[8],10,11	[16],17,18,[19]
U7FTHE	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
U7TBCJ	PowerPlex® PP16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
UF389X	PowerPlex® Fusion					
3e	14,16.3	19,20,21	11,14	16,17	11,13	10,11
	14	12,14	17,18	11,12,13	11,12,13	19
	14,15	29,30,31	12,16	X	7,10,11	22
	7,9	10,18		6,7,8	10,11	17,18,19
UFZPY2	PowerPlex® Fusion System, NGM SElect					
3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	[10],11,13	10,[11],[12]
	[11],14	12,14,[15],[16]	17,18,[21],[24]	[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9,[11],14	[7],10,[12],18	17,18,[19]	[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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UGV4V7	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
UHQMW8	Identifiler®					
3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13	10,ND*
	[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	[21.2],22,[23]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]
UHR6MW	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
UJ4BZK	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],8	[8],10,11	[16],17,18,[19]
UK3THU	PowerPlex® 21					
3e	14,16.3,17.3,18.3	17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14		17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
UMMYMH	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,12
	11,14			8,11,12,13	12,13	14,17,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
UQ44G8	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
		28,29,30,31		X,Y	7,10,11	22
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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UTMP22	PowerPlex® HS					
3e				14,16,17	10,11,13	10,11
	11,14			8,11,12,13	12,13	14,19
		29,30,31		X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
UTTENR	Identifiler® Plus					
3e		17,19,20,21		[14],16,17	10,11,13	10,11,[12]
	11,14			8,11,12,13	11,12,13	[14],18,19
	13,14,15	28,29,30,31		X,Y	7,10,[11]	[21.2],22,[23]
				6,7,8	[8],10,11	16,17,18,[19]
UVEXZ6	Identifiler®					
3e		20,21		[14],16,17	[10],11,13	10
	14			11,12	12,13	19
	[13],14,15	[28],29,[30],31		X	7,10	22
				[6],8	10,11	17,18
UYUZ6U	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
UYZYGQ	Identifiler® Plus, MiniFiler					
3e		[17],[19],20,21		16,17	[10],11,13	10,[11]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X	7,10,[11]	22
				[6],[7],8	[8],10,11	[16],17,18,[19]
V48JRN	PowerPlex® ESI 17 PRO & ESX 17					
3e	14,16.3,[17.3],[18.3]	[17],20,21	11,14	[14],16,17		
	[11],14	12,14,[15],[16]	17,18,[21],[24]		[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,X,[X,Y]		[21.2],22,[23]
			17,18,[19]	[6],[7],8		[16],17,18,[19]
V6ZW6L	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3e - STR Results

V86XED	Identifiler® Plus					
3e		17,19,20,21		14,16,17	11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
VCH2KZ	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10
				8,11,12,13	12,13	19
		29,31		X,Y	7,10	22
		7,9	10,18	6,8	8,10,11	17,18,19
VDDUAR	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
VEPGWD	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10,11	22,23
		7,9	7,10,12,18	6,7,8	8,10,11	17,18,19
VERBDX	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
VGTE3Y	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
				8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19
VJ2FAR	Identifiler®, PowerPlex®					
3e		[17],[19],20,21		[14],16,17	11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],8	[8],10,11	[16],17,18,[19]

TABLE 2

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

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VLAK2U	Identifiler® Plus					
	3e	[17],20,21		[14],16,17	[10],11,13	10
		[11],14		[8],11,12,[13]	12,13	19
		14,15	[28],29,[30],31	X,[Y]	7,10	22
			[6],8	[8],10,11	17,18	
VP8YNK	Identifiler® Plus					
	3e	17,19,20,21	-	14,16,17	10,11,13	10,11,12
		11,14	-	8,11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10	21.2,22,23
	-	-	6,8	8,10,11	16,17,18,19	
VT9HFK	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
VTLFKN	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10
		14		8,11,12	12,13	19
		13,14,15	29,31	X,Y	7,10,11	22
			6,7,8	8,10,11	16,17,18,19	
VUFZDF	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	11,13	10,[11]
		[11],14		[8],11,12,[13]	[11],12,13	[18],19
		14,15	29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	17,18,[19]	
VUZADN	Identifiler® Plus, MiniFiler					
	3e	20,21		14,16,17	10,11,13	10
		13,14		8,11,12,13	12,13	18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	22
			7,8	10,11	16,17,18,19	
W6FCJM	Identifiler® Plus					
	3e	[17],[19],20,21		16,17	[10],11,13	10,10,[11],[12]
		[11],14,14		[8],11,12	[11],12,13	[18],19,19
		14,15	29,[30],31	X,X,[Y]	7,10	[21.2],22,22
			[6],[7],8,8	10,11	17,18	

TABLE 2

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

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W88LDN	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
W8ZZGM	Identifiler® Plus					
	3e	NT		NT	NT	NT
		NT		NT	NT	NT
		NT	NT	NT	NT	NT
			NT	NT	NT	
WAM8RN	Identifiler® Plus					
	3e	[17^],[19^],20,21		[14^],16,17	[10^],11,13	10,[11^],[12^]
		[11^],14		[8^],11,12,[13^]	[11^],12,13	[14^],[18],19
		[13^],14,15	[28],29,[30^],31	X[Y^]	7,10 [11^]	[21.2^],22,[23^]
			[6^],[7^],8	[8^],10,11	17,18 [19^]	
WD9WC2	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11
		11,14		11,12,13	11,12,13	14,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
WDMP4H	Identifiler® Plus					
	3e	n/a	17,19,20,21	n/a	14,16,17	10,11,13
		11,14	n/a	n/a	8,11,12,13	11,12,13
		14,15	28,29,30,31	n/a	X,Y	7,10,11
	n/a	n/a	n/a	6,7,8	8,10,11	16,17,18,19
WEFRK7	Identifiler®					
	3e	-	NR	-	NR	NR
		14	-	-	NR	NR
		NR	NR	-	NR	NR
	-	-	-	NR	NR	NR
WFRF7R	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	

TABLE 2

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

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WGQ2WH	Identifiler® Plus					
3e		19,20,21		14,16,17	10,11,13	10,12
	11,14			11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,(Y)	7,10,(11)	(21.2),22,23
				6,7,8	8,10,11	16,17,18,19
WJC8HU	PowerPlex® Fusion					
3e	14,16.3,17.3	19,20,21	11,14	14,16,17	11,13	10,11,12
	11,14	12,14,16	17,18,21,24	11,12,13	11,12,13	14,17,19
	13,14,15	28,29,31	12,16	X	7,10	21.2,22,23
	7,9	10,18		6,7,8	8,10,11	17,18,19
WRNUJN	Identifiler® Plus, MiniFiler					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,13,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	10,11	16,17,18
WUEM7D	Identifiler® Plus					
3e		17,19,20,21		14,16,17	11,13	10,11
	11,14			8,11,12,13	12,13	19
	14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
WUY4LF	Identifiler® Plus					
3e		[17],[19],20,21		16,17	[10],11,13	10,10,[12]
	14,14			[8],11,12,[13]	12,13	19,19
	14,15	[28],29,31		X,X	7,10	22,22
				8,8	[8],10,11	17,18,[19]
WVTR2Q	Identifiler® Plus					
3e		(17),(19),20,21		(14),16,17	(10),11,13	10,10,(11),(12)
	(11),14,14			(8),11,12,(13)	12,13	(14),19,19
	(13),14,15	(28),29,(30),31		X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
				(6),(7),8,8	(8),10,11	17,18
WXAG4E	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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

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WXC9VV	PowerPlex® Fusion						
	3e	14,16.3,[17.3]	[17],[19],20,21	11,14	16,17	[10],11,13	10,[11]
		[11],14	12,14	17,18,[21],[24]	[8],11,12	[11],12,13	[14],[18],19
		14,15	[28],29,[30],31	12,16	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9,[14]	10,18		[6],[7],8	[8],10,11	[16],17,18,[19]	
WXEY2D	Identifiler® Plus						
	3e		[17],20,21		16,17	11,13	10,10
		14,14			[8],11,12,[13]	12,13	19,19
		[13],14,15	29,31		X,X,[Y]	7,10	22,22
				8,8	[8],10,11	17,18	
X4CFZ3	PowerPlex® 16 HS						
	3e				[14],16,17	[10],11,13	10,[11],[12]
		[11],14			[8],11,12,[13]	12,13	19
			29,[30],31		X,[Y]	7,10,[11]	22,[23]
	7,9,[11]	[7],10,[12],18		[6],8	[8],10,11	[16],17,18,[19]	
X4DBJ9	PowerPlex® Fusion						
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	11,13	10,[11]
		[11],14	12,14,[15]	17,18,[21],[24]	11,12	[11],12,13	[14],19
		14,15	[28],29,[30],31	12,16	X,[Y]	7,10,[11]	[21.2],22
	7,9,[14]	10,18		[6],[7],8	[8],10,11	[16],17,18,[19]	
X6RARJ	Identifiler® Plus						
	3e		(17),(19),20,21		(14),16,17	10,11,13	10,10,(11),(12)
		(11),14,14			(8),11,12,(13)	12,13	(14),(18),19,19
		(13),14,15	(28),29,(30),31		X,X,(Y)	7,10,(11)	(21.2),22,22,(23)
				(6),(7),8,8	(8),10,11	(16),17,18,(19)	
X9AA6E	Identifiler®						
	3e		N/A		N/A	N/A	N/A
		N/A			N/A	N/A	N/A
		N/A	N/A		N/A	N/A	N/A
				N/A	N/A	N/A	
XD646Z	Identifiler®						
	3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13	10,[11],[12]
		11,14	N/A	N/A	[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	22,[23]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]	

TABLE 2

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

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XDLKFE	Identifiler® Plus						
	3e	17,19,20,21		14,16,17	10,11,13	10,11	
		11,14		8,11,12,13	11,12,13	18,19	
		13,14,15	28,29,30,31	X,Y	7,10	22	
			6,7,8	8,10,11	16,17,18,19		
XFR3EA	PowerPlex® Fusion						
	3e	(16.3)	[17],[19],20,21	11,14	16,17	11,13	10
		14	12,14	17,18	11,12	[11],12,13	19
		[13],14,15	29,31	12,16,[17]	X	7,10,[11]	22,[23]
	7,9	[7],10,18		[6],[7],8	10,11	[16],17,18,[19]	
XHWW7M	Identifiler® Plus, MiniFiler						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		
XJRE8N	Identifiler® Plus						
	3e	[17^],[19**],20,21		[14],16,17	[10],11,13	10,[11^],[12^]	
		[11^],14		[8],11,12,[13]	12,13	[14^],[18**],19	
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11^]	22,[23]	
			[6],[7],8	10,11	[16**],17,18,[19]		
XKLE2	PowerPlex® Fusion						
	3e	14,16.3,(17.3),(18.3)	(17),(19),20,21	11,14	16,17	(10),11,13	10,(12)
		(11),14	12,14	17,18,(21),(24)	(8),11,12,(13)	(11),12,13	(14),(18),19
		(13),14,15	(28),29,(30),31	12,16,(17)	X	7,10,(11)	(21.2),22,(23)
	7,9	10,18		(6),(7),8	(8),10,11	(16),17,18,(19)	
XLT2L8	Identifiler® Plus, PowerPlex® HS						
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
XPE4UJ	Identifiler® Plus						
	3e	17,19,20,21		15,16,17	10,11,12,13	10,11,12	
		11,13,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,X	6,7,9,10,11	21,22,23	
			6,7,8	9,10,11	16,17,18,19		

TABLE 2

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 3e - STR Results

XQRPNF	PowerPlex® HS	3e			[14],16,17	11,13	10,[11],[12]
			[11],14		[8],11,12,[13]	12,13	[14],19
				29,31	X,[Y]	7,10,[11]	22,[23]
			7,9	10,18	[6],8	[8],10,11	17,18,[19]
XV337D	Identifiler® Plus	3e		[17],[19],20,21	[14],16,17	[10],11,13	10,[12]
			[11],14		[8],11,12,[13]	12,13	[18],19
			14,15	29,[30],31	X,[Y]	7,10,[11]	22,[23]
					[6],[7],8	[8],10,11	[16],17,18
XV3NXZ	Identifiler®	3e		17,19,20,21	14,16,17	10,11,12,13	10,11,12
			11,14		8,11,12,13	12,13	14,18,19
			14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
XWJW8N	Identifiler® Plus, MiniFiler	3e		17,19,20,21	16,17	11,13	10,11,12
			11,14		8,11,12,13	11,12,13	14,18,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,8	8,10,11	16,17,18,19
XX8GPD	GlobalFiler	3e	14	12			
XZFY2B	Identifiler®	3e		[17],[19],20,21	[14],16,17	[10],11,13	10,[11]
			[11],14		[8],11,12,[13]	[11],12,13	[14],19
			[13],14,15	[28],29,[30],31	X	7,10	22
					[6],[7],8	[8],10,11	[16],17,18,[19]
Y49MT2	Identifiler® Plus	3e		[19],20,21	[14],16,17	11,13	10
			14		[8],11,12	[11],12,13	19
			[13],14,15	29,31	X	7,10	22
					[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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 3e - STR Results

Y6P64F	Identifiler® Plus					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,9,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
Y7F3Z8	PowerPlex® 16					
	3e			14^,16^,17^	10^,11,13	10,11^,12^,13^
		11^,14		8,11,12,13^	11^,12^,13	14^,18^,19^
			28^,29^,30^,31^	X,Y^	7^,10,11^	21.2^,22,23^
	7,9,11,14^	7^,10^,12^,18	6,7,8	8,10^,11	16^,17^,18,19^	
Y7XXKU	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	10,11,[13]	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
Y8Y7B8	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,12
		11,14		8,11,12,13	12,13	14,19
			29,30,31	X,Y	7,10,11	22
	7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
YC7WDD	PowerPlex® 16 Hot Start					
	3e			[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
			[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
	7,9,[11],[14]	[7],10,[12],18	[6],[7],8	[8],10,11	[16],17,18,[19]	
YDHHY9	Identifiler®					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	[8],10,11	[16],17,18,[19]	
YFBEKL	PowerPlex® ESX16 Fast					
	3e	14,16.3,[17.3],[18.3]	[17],[19],20,21	11,14	[14],16,17	
		14	12,14,[15],[16]	17,18,[21],[24]		[11],12,13
		[13],14,15	[28],29,[30],31	[11],12,16,[17]	X,[Y]	[21.2],22,[23]
			[6],[7],8		[16],17,18,[19]	

TABLE 2

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

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YFM989	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],19
		[13],14,15	[28],29,[30],31	X	7,10	[21.2],22
			[6],[7],8	10,11	[16],17,18	
YGZQBE	Identifiler® Plus					
	3e	[17],[19],20,21	-	[14],16,17	[10],11,13	10,[11],[12]
		[11],14	-	[8],11,12,[13]	12,13	[14],19
		14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
	-	-	[6],[7],8	[8],10,11	17,18,[19]	
YJLWU6	PowerPlex® 21					
	3e	14,16,3	20,21	16,17	11,13	10,10
		14,14		17,18	11,12	12,13
		14,15	29,31	X,X	7,10	22,22
	7,9	10,18	8,8	10,11	17,18	
YLCPJY	Identifiler®					
	3e	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
YMRZKD	Identifiler® Plus					
	3e	[17],[19],20,21		[14],16,17	[10],11,13	10,[12]
		[11],14		[8],11,12,[13]	[11],12,13	[14],[18],19
		14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
			[6],[7],8	10,11	[16],17,18,[19]	
YPC2DE	PowerPlex® 16 HS					
	3e			14,16,17	10,11,13	10,12
				8,11,12,13	12,13	14,19
			29,30,31	X,Y	7,10,11	21.2,22,23
	7,9,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
YQN9P3	Identifiler®					
	3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13
		[11],14	N/A	N/A	[8],11,12,[13]	[11],12,13
		[13],14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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 3e - STR Results

YTQ4A6	Identifiler® Plus					
3e	-	17,19,20,21	-	14,16,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	-	X,Y	7,10,11	21.2,22,23
	-	-	-	6,7,8	8,10,11	16,17,18,19
YZVB7E	Identifiler® Plus					
3e		17,19,20,21		14,16,17	11,13	10
	11,14			8,11,12,13	12,13	14,19
	14,15	29,30,31		X,Y	7,10,11	22,23
				7,8	8,10,11	16,17,18
Z4RJL9	Identifiler®					
3e		19,20,21		16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X	7,10	22,23
				6,7,8	8,10,11	16,17,18
Z7J7QH	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
Z9LKZN	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10
	11,14			8,11,12	11,12,13	18,19
	13,14,15	29,31		X,Y	7,10,11	22
				6,7,8	8,10,11	16,17,18,19
ZAE7FD	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11
	11,14			11,12	12,13	19
		29,30,31		X,Y	7,10	22,23
	7,9	10,18		6,7,8	8,10,11	16,17,18
ZBQFH7	Identifiler® Plus					
3e	N/A	[17],[19],20,21	N/A	[14],16,17	[10],11,13	10,[11],[12]
	[11],14	N/A	N/A	[8],11,12,[13]	12,13	[14],19
	14,15	[28],29,[30],31	N/A	X,[Y]	7,10,[11]	[21.2],22,[23]
	N/A	N/A	N/A	[6],[7],8	[8],10,11	[16],17,18,[19]

TABLE 2

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 3e - STR Results

ZC2FGL	Identifiler® Plus					
3e		NT		NT	NT	NT
	NT			NT	NT	NT
	NT	NT		NT	NT	NT
				NT	NT	NT
ZDFA8Z	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	12,13	14,19
		28,29,30,31		X,Y	7,10	22
	7,9	10,18		6,7,8	10,11	16,17,18
ZF3J99	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
ZFZJK2	PowerPlex® Fusion					
3e	14,16,3,17,3,18,3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
ZG2ZQH	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,[12]
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,[11]	[21.2],22,[23]
				6,7,8	8,10,11	16,17,18,[19]
ZKFPX9	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
	[11],14			[8],11,12,[13]	[11],12,13	[14],[18],19
	[13],14,15	[28],29,[30],31		X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
ZM2BQV	GlobalFiler					
3e		17	11		11,13	10,11
	14		18,21,24	11,13		
	14,15	28	17	X	10	22
				8		17,18

TABLE 2

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 3e - STR Results

ZPPE6	Identifiler®					
3e		17,20,21		14,16,17	11,13	10,11,12
		11,14		8,11,12,13	12,13	14,19
		13,14,15	29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	17,18,19
ZRC69T	PowerPlex® PP21					
3e		20,21		16,17	11,13	10
		14	17,18	11,12	12,13	19
		14,15	29,31	X	7,10	22
		7,9	10,18	8	10,11	17,18
ZRYNWT	Identifiler® Plus					
3e		[17],[19],20,21		[14],16,17	[10],11,13	10,[11],[12]
		[11],14		[8],11,12,[13]	12,13	[14],19
		14,15	[28],29,[30],31	X,[Y]	7,10,[11]	[21.2],22,[23]
				[6],[7],8	[8],10,11	[16],17,18,[19]
ZRYVUE	Identifiler® Plus					
3e		17,19,20,21		14,15,16,17	11,13	10
		11,13,14		11,12	11,12,13	18,19
		13,14,15	28,29,31	X,X	7,10	22
				7,8	10,11	16,17,18
ZTTLZU	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ZTXTF9	PowerPlex® 16 HS					
3e		-	-	14,16,17	10,11,13	10,11,12
		11,14	-	8,11,12,13	11,12,13	14,19
		-	28,29,30,31	X,Y	7,10	22
		7,9	7,10,18	6,7,8	8,10,11	16,17,18,19
ZVHU8A	Identifiler®					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3e - STR Results

ZVX7PE	Identifiler® Plus					
3e		19,20,21		16,17	10,11,13	10
	13,14			11,12	12,13	18,19
	13,14,15	29,30,31		X	7,10	22
				6,7,8	10,11	17,18
ZVYRT	Identifiler® Plus					
3e		[17],20,21		[14],16,17	11,13	10,[11]
	[11],14			[8],11,12,[13]	[11],12,13	[14],19
	14,15	[28],29,[30],31		X,[Y]	7,10,[11]	22,[23]
				[6],[7],8	[8],10,11	17,18
ZWRWVT	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ZWW6B9	PowerPlex® 16 HS					
3e	NA	NA	NA	14,16,17	10,11,13	10,11,12
	11,14	NA	NA	8,11,12,13	12,13	14,18,19
	NA	28,29,30,31	NA	X,Y	7,10,11	22,23
	7,9,11,14	7,10,12,18	NA	6,7,8	8,10,11	17,18,19
ZXZC3Z	PowerPlex® 16 HS					
3e				14,16,17	10,11,13	10,11
	11,14			8,11,12,13	12,13	19
		28,29,30,31		X,Y	7,10	22,23
	7,9,11	10,12,18		6,7,8	8,10,11	17,18,19
ZY2ZRQ	Identifiler® Plus					
3e		17,19,20,21		14,16,17	10,11,13	10
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ZYCJFN	Identifiler® ID Plus					
3e		19,20,21		14,16,17	10,11,13	10
	11,14			8,11	11,12,13	19
	13,14,15	29,31		X,X	7,10	22
				6,7,8	8,10,11	16,17,18

TABLE 2

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 3e - STR Results

ZYYP29

PowerPlex® ES16

3e



TABLE 2

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 3e* - STR Results

K7M9KN	Identifiler®					
3e*		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3M48 - STR Results

6Q76H4	Identifiler®					
3M48		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,17,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
B7XV6Y	Identifiler®					
3M48		20,21		16,17	11,13	10
		14		11,12	12,13	19
		14,15	29,31	X	7,10	22
				8	10,11	17,18

TABLE 2

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 3sf - STR Results

VJH6BD	Identifiler®				
3sf		17,19	14,17	10,11	11,12
	11,14		8,13	11,13	14,18
	13,15	28,30	X,Y	10,11	21,2,23
			6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

23FU9N	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,(12),13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
24AF2E	PowerPlex® Fusion	3sp	17.3,18.3	17,19,[21]	11,14	14,17	10,11,[13]	11,12
			[11],14	15,16	[17],21,24	8,[11],13	11,[12],13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,[22],23
			[9],11,14	7,[10],12		6,7	8,11	16,19
2AUKP9	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
2DXP8M	Identifiler®	3sp	17,19,20		14,17	10,11,13	10,11,12	
			11,14		8,11,13	11,13	14,18,19	
			13,15	28,30,31	X,Y	10,11	21.2,22,23	
					6,7,8	8,11	16,17,19	
2E3PZ3	COfiler® and Profiler Plus® 10 Loci	3sp			14,17	10,11	11,12	
			11,14		8,13		14,18	
				28,30	X,Y		21.2,23	
							16,19	
2E8XEG	Globalfiler	3sp	17.3,18.3	17,19	11,14	14,17	10,11	(10),11,12
			11,14	(12),15,16	(18),21,24	8,13	11,13	14,18
			13,15	28,30,(31)	11,17	X,Y	10,11	21.2,23
					(17),19	6,7	8,11	16,19
2H8RAH	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

2J2D4A	PowerPlex® 16 HS	3sp			14,17	10,11	11,12
			11,14		8,13	11,13	14,18
				28,30	X,Y	10,11	21.2,23
			11,14	7,12	6,7	8,11	16,19
2JXZ8Z	PowerPlex® 16 HS	3sp			14,16,17	10,11,13	10,11,12
			11,14		8,11,12,13	11,13	14,18,19
				28,29,30,31	X,Y	10,11	21.2,22,23
			7,11,14	7,10,12	6,7	8,10,11	16,17,18,19
2KPFMX	Identifiler®	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19
2L2XHT	Identifiler® Plus	3sp		17,19	14,17	10,11,13	10,11,12
			11,14		8,11,12,13	11,13	14,18,19
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
					6,7,[8]	8,11	16,17,19
2M2NYA	PowerPlex® 16 HS	3sp			14,17	10,11	11,12
			11,14		8,13	11,13	14,18
				28,30	X,Y	10,11	21.2,23
			11,14	7,12	6,7	8,11	16,19
2MWGJU	Identifiler®	3sp		17,19,[20],[21]	14,[16],17	10,11,[13]	10,11,12
			11,14		8,[11],[12],13	11,[12],13	14,18,19
			13,[14],15	28,[29],30,[31]	X,Y	[7],10,11	21.2,22,23
					6,7,8	8,[10],11	16,[17],[18],19
2P8QN9	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

2QH4BM	Identifiler® Plus						
3sp		17,19		14,17	10,11	11,12	
		11,12,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
				6,7	8,11	16,19	
2RQMAD	Identifiler® Plus						
3sp		17,19		14,17	10,11	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30	X,Y	10,11	21.2,23	
				6,7	8,11	16,18,19	
2RUTQT	PowerPlex® 16 HS						
3sp				14,17	10,11	11,12	
				8,13	11,13	14,18	
			28,30	X,Y	10,11	21.2,23	
			7,12	6,7	8,11	16,19	
2RY23L	Identifiler®, PowerPlex®						
3sp		17,19		14,17	10,11,13	10,11,12	
		11,14		8,11,12,13	11,12,13	14,18,19	
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
				6,7,8	8,11	16,17,18,19	
2WJEBZ	PowerPlex® 16 HS						
3sp				14,17	10,11	11,12	
				8,13	11,13	14,18	
			28,30	X,Y	10,11	21.2,23	
			7,12	6,7	8,11	16,19	
2WN7DW	Identifiler®						
3sp		N/A	17,[19],[20]	N/A	14,[16],17	10,11,[13]	10,[11],[12]
		[11],14	N/A	N/A	[8],11,12,13	11,[12],13	14,18,19
		[13],[14],15	28,29,30,31	N/A	X,[Y]	[7],10,[11]	[21.2],22,[23]
		N/A	N/A	N/A	[6],7,[8]	[8],[10],11	[16],17,[18],19
2WR8DH	Identifiler® Plus, MiniFiler						
3sp		17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

2XHWJB	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,(11),13	11,13	14
		13,15	28,(29),30,(31)	X,Y	10,11	21.2,23
				6,7,(8)	8,11	16,19
2XWJTD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,11,13	11,13	14,18
		13,14,15	28,30	X,Y	10,11	21.2,23
				6,7,8	8,11	16,19
2YQ6PP	PowerPlex® Fusion					
3sp		17.3,18.3	11,14	14,17	10,11,13	10,11,12
		11,14	15,16	18,21,24	8,11,12,13	11,13
		13,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
		9,11,14	7,12	6,7	8,10,11	16,18,19
2Z6QZC	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
32Y6DA	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
34XKCC	PowerPlex® 16 HS					
3sp				14,17	10,11	10,11,12
		11,14		8,11,13	11,12,13	14,18
			28,30	X,Y	10,11	21.2,22,23
		7,9,11,14	7,10,12	6,7	8,11	16,17,18,19
36CG4H	Identifiler® Plus					
3sp					[10],[11]	
		[14]		[8]	[13]	[14]
				[X]		
				[8]		[16]

TABLE 2

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 3sp - STR Results

3773WA	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
3ABCXJ	Identifiler® Plus					
3sp		17,19,[20],[21]		14,17	10,11,[13]	[10],11,12
		11,14		8,[11],[12],13	11,13	14,18,[19]
		13,[14],15	28,[29],30	X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,11	16,[17],19
3AKXC7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
3BGDMH	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
3DAPLA	Identifiler® Identifiler Plus					
3sp		17,19		14,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,13	14,18,19
		13,14,15	28,30,31	X,Y	7,10,11	21.2,23
				6,7,8	8,10,11	16,17,18,19
3FJQQF	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
3LH799	Identifiler® Plus, PrepFiler/Eraser					
3sp		17,19		14,17	10,11	[10],11,12
		11,14		8,[12],13	11,[12],13	14,18
		13,15	28,[29],30	X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19

TABLE 2

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 3sp - STR Results

3MDVJG	Globalfiler						
3sp		17.3,18.3	17,19	11,14	14,17	10,11	(10),(11),(12)
		11,14	15,16	21,24	8,13	11,13	(14),(18),(19)
		13,15	28,30	11,17	X,Y	10,11	21.2,23
				19	6,7	8,11	16,19
3MWQ2J	Identifiler® Plus						
3sp			17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
3NMY2	PowerPlex® 16 HS						
3sp					14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
		11,14	7,12		6,7	8,11	16,19
3QF34N	PowerPlex® Fusion						
3sp		17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,12,13	14,18
		13,14,15	28,29,30	11,17	X,Y	10,11	21.2,22,23
		11,14	7,12		6,7	8,11	16,18,19
3TNXJR	PowerPlex® 16 HS						
3sp					14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
		11,14	7,12		6,7	8,11	16,19
3UHKF4	PowerPlex® 16 HS						
3sp		-	-	-	14,16,17	10,11,13	10,11,12
		11,14	-	-	8,11,12,13	11,13	14,18,19
		-	28,30,31	-	X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,12,18	-	6,7	8,11	16,17,19
3UV3AA	PowerPlex® 16 HS						
3sp					14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30,31		X,Y	10,11	21.2,23
		11,14	7,12		6,7	8,11	16,17,19

TABLE 2

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 3sp - STR Results

3UZNVG	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
3Z4LC9	Identifiler® Plus					
3sp		17,19,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
3ZEK7G	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
42T3AM	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
43NQK7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
44WFUN	PowerPlex® Fusion					
3sp		17.3,18.3	17,[21]	11,14	14,17	10,11
		11,14	15,16	21,24	8,[13]	11,13
		13,[15]	28,30	11,17	X,Y	10,11
		11,14	7,[12]		6,7	8,11
44X3X2	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

46C7UD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
46UM39	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
47ND72	Identifiler® Plus, PowerPlex® 16 HS					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
48487G	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
4CQMEF	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
4D6H7U	GlobalFiler					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,19
4DMQWA	Identifiler® Plus					
3sp		17,18,19		14,16,17	10,11	10,11,12
	10,11,13,14			8,12,13	11,12,13	14,17,18
	13,14,15	27,28,29,30		X,Y	10,11	21.2,22,23
				6,7,8	8,10,11	16,18,19

TABLE 2

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 3sp - STR Results

4DP967	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,19	
4GM7GD	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
4GZZWE	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
4JPA39	GlobalFiler	3sp	17.3,18.3	17,19,[21]	11,14	14,[16],17	10,11,[13]	[10],11,12
			11,14	[12],[14],15,16	21,24	8,[12],13	11,[12],13	14,18,[19]
			13,15	28,[29],30,[31]	11,17	X,Y	10,11	21.2,23
					[17],[18],19	6,7	8,11	16,[18],19
4Q87ZA	Identifiler® Plus	3sp		17,19	14,16,17	10,11	10,11,12	
			11,13,14		8,12,13	11,12,13	14,18	
			13,14,15	28,29,30,31	X,Y	10,11	21.2,22,23	
					6,7,8	8,10,11	16,18,19	
4Q9BND	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
4V269D	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

62L46Y	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,14,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
62NCC4	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
63Y8ZG	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,[18],19	
66TTU8	PowerPlex® 16 HS					
	3sp			14,17	10,11	11,12
				8,13	11,13	14,18
			28,30	X,Y	10,11	21.2,23
		7,12	6,7	8,11	16,19	
68WDT2	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
6AXJ97	PowerPlex® HS					
	3sp			14,17	10,11	11,12
				8,13	11,13	14,18
			28,30	X,Y	10,11	21.2,23
		7,12	6,7	8,11	16,19	
6BAQHA	Identifiler® Plus					
	3sp	17,19		14,16,17	10,11,13	10,11,12
		11,14		8,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	10,11	21.2,22,23
			6,7,8	8,11	16,17,18,19	

TABLE 2

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 3sp - STR Results

6DGVQ9	Identifiler® Plus	3sp	17,19,[21]		14,16,17	10,11	10,11,12	
			11,14		8,11,12,13	11,13	14,18,[19]	
			13,14,15	28,29,30,[31]		X,Y	[7],10,11	21.2,22,23
					6,7	8,11		16,18,19
6EHF8H	PowerPlex® 21	3sp	17.3,18.3	17,19	14,17	10,11	11,12	
			11,14		21,24	8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
6FDVKF	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
6GGE33	Identifiler®	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
6HAXTN	Identifiler®	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
6KFQX3	Identifiler®	3sp		17,19	14,17	10,11	11,12	
			11,14		8,[12],13	11,13	14,18	
			13,15	28,[29],30		X,Y	10,11	21.2,23
					6,7	8,[10],11		16,19
6KHQ8V	PowerPlex® 16 HS	3sp			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,13	14,18	
				28,29,30,31		X,Y	10,11	21.2,22,23
			11,14	7,10,12		6,7,8	8,10,11	16,17,19

TABLE 2

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 3sp - STR Results

6MRQEN	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
6Q76H4	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
6R34WM	Identifiler®, Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
6RH6W4	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
6RXQ76	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		10,11,13,14			8,11,12,13	10,11,12,13	13,14,17,18,19
		12,13,14,15	28,29,30,31		X,Y	7,9,10,11	20.2,21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
6TZA3	PowerPlex® 16 HS						
	3sp	not tested	not tested	not tested	14,17	10,11	10,11,12
		11,14	not tested	not tested	8,13	11,13	14,18
		not tested	28,29,30,31	not tested	X,Y	10,11	21.2,23
	11,14	7,12	not tested	6,7	8,11	16,17,19	
6U3NN9	Identifiler® Plus						
	3sp		17,19		14,17	10,11,[13]	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

6UADAD	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
6V3REC	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
6VY8QA	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
6WTHE3	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
6XPXE	Identifiler® Plus					
	3sp	17,19		14,16,17	10,11	11,12
		11,14		8,13	11,12,13	14,18
		13,15	28,29,30	X,Y	10,11	21.2,23
			6,7	8,11	16,18,19	
7233W8	PowerPlex® 16 HS					
	3sp			14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
			28,29,30,31	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
73GDZ7	PowerPlex® 16 HS					
	3sp			14,17	10,11	11,12
		11,14		8,13	11,13	14,18
			28,30	X,Y	10,11	21.2,23
	11,14	7,12	6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

74PFXY	PowerPlex® 16 HS					
3sp				14,17	10,11,[13]	[10],11,12
	11,14			8,[11],[12],13	11,13	14,18
		28,30,[31]		X,Y	10,11	21.2,[22],23
	[9],11,14	7,[10],12,[18]		6,7	8,[10],11	16,[17],19
74UUBY	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,[12],13	11,13	14,18,[19]
	13,15	28,[29],30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
77YM3C	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
78NMQU	Identifiler®					
3sp	N/A	17,19,[20],[21]	N/A	14,[16],17	10,11,[13]	[10],11,12
	11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,[19]
	13,[14],15	28,[29],30,[31]	N/A	X,Y	[7],10,11	21.2,[22],23
	N/A	N/A	N/A	6,7,[8]	8,[10],11	16,[17],[18],19
7DYXJ3	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
7EUFL6	GlobalFiler					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
			19,19	6,7	8,11	16,19
7F4799	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

7F7DQ9	PowerPlex® Fusion					
3sp	(14),(16.3),17.3,18.3	17,19,(20),(21)	11,14	14,(16),17	10,11,(13)	(10),11,12
	11,14	(12),(14),15,16	(17),(18),21,24	8,(11),(12),13	11,(12),13	14,18,(19)
	13,(14),15	28,(29),30,(31)	11,(12),17	X,Y	(7),10,11	21.2,(22),23
	(7),(9),11,14	7,(10),12,(18)		(6),7,(8)	8,(10),11	16,(17),(18),19
7GBN74	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
7HR3BL	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
7J4U33	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
7JMPK6	Identifiler® Plus					
3sp		17,19,20,21		13,14,16,17	9,10,11,13	10,11,12
	10,11,13,14			8,11,12,13	10,11,12,13	13,14,17,18,19
	12,13,14,15	27,28,29,30		X,Y	7,9,10,11	20.2,21.2,22,23
				6,7,8	8,10,11	15,16,17,18,19
7LA9L3	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
7NW334	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

7NXV6H	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,inc	21.2,23
						6,7	8,11	16,19
7U39PF	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
7UFBK9	PowerPlex® 16 HS	3sp			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
				28,30,31		X,Y	7,10,11	21.2,22,23
			7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
84P3LF	PowerPlex® 21	3sp	17.3,18.3	17,19		14,17	10,11	11,12
			11,14		18,21,24	8,13	11,12,13	14,18,19
			13,15	28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
863G84	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
86Z93K	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,[16],17	10,11,[13]	[10],11,12
			11,14	[12],[14],15,16	21,24	8,[11],13	11,[12],13	14,18,[19]
			13,15	28,[29],30,[31]	11,17	X,Y	10,11	21.2,23
			[7],11,14	7,[10],12,[18]		6,7	8,11	16,[17],[18],19
8AQDLT	PowerPlex® 16 HS	3sp			14,17	10,11,13	10,11,12	
			11,14		8,12,13	11,13	14,18,19	
				28,30,31		X,Y	7,10,11	21.2,22,23
			11,14	7,10,12,18		6,7	8,10,11	16,17,19

TABLE 2

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 3sp - STR Results

8ATRH3	PowerPlex® HS	3sp			14,(16),17	10,11,(13)	11,12
			11,14		8,13	11,(12),13	14,18,(19)
				28,30,(31)	X,Y	(7),10,11	21.2,23
			11,14	7,12	6,7,(8)	8,11	16,(17),19
8B76N7	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19
8E6YH8	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19
8EQFWN	PowerPlex® 16 HS	3sp			14,17	10,11	11,12
			11,14		8,13	11,13	14,18
				28,30	X,Y	10,11	21.2,23
			11,14	7,12,18	6,7	8,11	16,19
8F2FTH	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19
8FFQMG	PowerPlex® Fusion	3sp	17.3,18.3	17,19,[21]	11,14	14,17	10,11
			11,14	15,16	21,24	8,13	11,13
			13,15	28,30	11,17	X,Y	10,11
			11,14	7,12	NT	6,7	8,[10],11
8FXC4T	Identifiler® Plus, MiniFiler	3sp		17,19	14,17	10,11	11,12
			11,14		8,13	11,13	14,18
			13,15	28,30	X,Y	10,11	21.2,23
					6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

8GTU7U	Identifiler®					
3sp	N/A	17,19,[20]	N/A	14,[16],17	10,11	[10],11,12
	11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,[19]
	13,[14],15	28,[29],30,[31]	N/A	X,[Y]	[7],10,11	21.2,[22],23
	N/A	N/A	N/A	6,7,[8]	8,[10],11	16,[17],[18],19
8JZJYJ	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
8LLYYY	Identifiler® Plus, PowerPlex® HS,Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
8N7TRT	PowerPlex® 16					
3sp	N/A	N/A	N/A	14,[16],17	10,11,[13]□	[10],11,12
	11,14	N/A	N/A	8,[11],[12],13□	11,[12],13	14,18,[19]□
	N/A	28,30,[--]	N/A	X,Y	10,11,[--]	21.2,[22],23□
	11,14,[--]	7,12,[--]	N/A	6,7,[8]□	8,11	16,[17],[18],19□
8TQEL7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
8ULXN8	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,(11),13	11,12,13	14,18,(19)
	13,15	28,30,(31)		X,Y	10,11	21.2,23
				6,7,8	8,11	16,18,19
8UUFMX	Identifiler®, PowerPlex® 16 HS, Fusion5C					
3sp	14,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,14,15,16	*17,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,17	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3sp - STR Results

8UXJBN	Identifiler® Plus					
3sp		17,19		14,17	10,11,(13)	10,11,12
	11,14			8,11,12,13	11,13	14,18
	13,15	28,29,30,(31)		X,Y	10,11	21.2,22,23
				6,7	8,11	16,19
8VAQNC	Identifiler® Plus					
3sp		17,19,[21]		14,17	10,11,[13]	[10],11,12
	11,14			8,[11],13	11,[12],13	14,18,[19]
	13,15	28,30,[31]		X,Y	[7],10,11	21.2,23
				6,7,[8]	8,[10],11	16,[17],19
8Z9MA3	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
986N2F	PowerPlex® Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
99U9QK	PowerPlex® 16 HS					
3sp				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
9B43MK	PowerPlex® Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
9CUJMK	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

9EGFEE	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
9F8MBW	Identifiler® , Plus, PowerPlex® HS, MiniFiler					
3sp		*17,19,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
9FTE73	Identifiler®					
3sp		17,19		14,17	10,11,[13]	[10],11,12
	11,14			8,[11],[12],13	11,13	14,18
	13,15	28,[29],30,[31]		X,Y	10,11	21.2,23
				6,7,[8]	8,[10],11	16,19
9J2QNH	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
9L3BFH	PowerPlex® Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
9LKU9A	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
9LYXLV	Identifiler®					
3sp		17,19		14,17	10,11	
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

9MDACD	Identifiler® +						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
9PHL6D	Identifiler®, ID+						
	3sp		17,19,[20]		14,17	10,11,[13]	[10],11,12
		11,14			8,[11],[12],13	11,[12],13	14,18,[19]
		13,15	28,[29],30,[31]		X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,11	16,[17],[18],19	
9QTBHX	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
9U4YEG	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
9V9DFA	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
9W3Y9Z	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
9WGX3	PowerPlex® 16 HS						
	3sp				14,17	10,11,13	10,11,12
		11,14			8,11,13	11,13	14,18
			28,30,31		X,Y	10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,11	16,18,19	

TABLE 2

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 3sp - STR Results

9Y8NBA	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
A2BE33	Identifiler®	3sp		17,19		14,17	10,11	11,12
			11,14			8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
A8FKV7	Identifiler® Plus	3sp	-	17,19	-	14,17	10,11	11,12
			11,14	-	-	8,13	11,13	14,18
			13,15	28,30	-	X,Y	10,11	21.2,23
			-	-	-	6,7	8,11	16,19
A8ZQ4P	Globalfiler	3sp	17.3,18.3	17,19	11,14	14,[16],17	10,11,[13]	[10],11,12
			11,14	15,16	21,24	8,13	11,[12],13	14,18
			13,15	28,30	11,[16],17	X,Y	10,11	21.2,[22],23
					19	6,7,[8]	8,11	16,[18],19
A9ARBH	Identifiler® Plus	3sp		17,19		14,17	10,11	11,12
			11,14			8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
AA3PEH	Identifiler® Plus	3sp		17,19		14,17	10,11	11,12
			11,14			8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
AA8XUX	PowerPlex® 16 HS	3sp	-	-	-	14,17	10,11,13	10,11,12
			11,14	-	-	8,11,12,13	11,13	14,18
			-	28,30,31	-	X,Y	10,11	21.2,22,23
			11,14	7,12	-	6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

ACAHKX	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
AD6MPB	Identifiler® Plus, MiniFiler						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
ADLEP3	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
ADPD7B	GlobalFiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,19	
AEKV8C	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
AFNM37	PowerPlex® HS						
	3sp				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
AJUYA8	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,[11],13	11,13	14,18
		13,15	28,30,[31]		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

AK3RN2	Identifiler® Plus						
	3sp	17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12	
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]	
		13,[14],15	28,[29],30,[31]	X,Y	[7],10,11	21.2,[22],23	
			6,7,[8]	8,[10],11	16,[17],[18],19		
AKL78P	GlobalFiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,19	
AM8HW2	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
AMPHRQ	PowerPlex® 16						
	3sp	N/A	N/A	N/A	14,17	10,11	11,12
		11,14	N/A	N/A	8,13	11,13	14,18
		N/A	28,30	N/A	X,Y	10,11	21.2,23
	11,14	7,12	N/A	6,7	8,11	16,19	
AQ9U3V	PowerPlex® 16 HS						
	3sp			14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
			28,30	X,Y	10,11	21.2,23	
	11,14	7,12	6,7	8,11	16,19		
AQPAV3	Globalfiler						
	3sp	[14],17.3,18.3	17,19,[21]	11,14	14,17	10,11,[13]	[10],11,12
		11,14	[12],[14],15,16	[17],[18],21,24	8,[11],[12],13	11,[12],13	14,18,[19]
		13,15	28,[29],30,[31]	11,17	X,Y	10,11	21.2,[22],23
			[17],19	6,7	8,[10],11	16,[17],[18],19	
AXDTF7	Identifiler® Plus						
	3sp	17,19,20,21		13,14,16,17	9,10,11,13	10,11,12	
		10,11,13,14		8,11,12,13	10,11,12,13	13,14,17,18,19	
		12,13,14,15	28,29,30,31	X,Y	7,9,10,11	20.2,21.2,22,23	
			5,6,7,8	7,8,10,11	16,17,18,19		

TABLE 2

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 3sp - STR Results

AXRBHB	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
AZYF4C	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
B2CGHY	PowerPlex® HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
B6PD79	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
B72FT3	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
B7XV6Y	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
B8R7R7	Identifiler® Plus					
3sp		17,19,[20]		14,[16],17	10,11	11,12
	11,14			8,13	11,[12],13	14,18,[19]
	13,[14],15	28,30		X,Y	10,11	21.2,23
				6,7,[8]	8,[10],11	16,19

TABLE 2

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 3sp - STR Results

BAKX6X	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18,[19]	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
BBU8TP	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
BDEG7Q	PowerPlex® 16	3sp	NA	NA	NA	14,[16],17□	10,11	[10],11,12
			11,14	NA	NA	8,[11],[12],13□	11,[12],13	14,18
			NA	28,30,[-]	NA	X,Y	10,11	21.2,23
			11,14	7,12,[-]	NA	6,7,[8]□	8,[10],11□	16,[18],19
BET3FR	PowerPlex® Fusion	3sp	[14],[16.3],17.3,18.3	17,19,[20],[21]	11,14	14,[16],17	10,11,[13]	10,11,12
			11,14	[12],[14],15,16	[17],[18],21,24	8,[11],[12],13	11,[12],13	14,18,19
			13,[14],15	28,[29],30,[31]	11,[12],[16],17	X,Y	[7],10,11	21.2,22,23
			[7],[9],11,14	7,[10],12,[18]		6,7,[8]	8,[10],11	16,[17],[18],19
BGGXFK	GlobalFiler	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
					19,19	6,7	8,11	16,19
BJPYMC	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
BM6D9X	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

BNGC47	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
BPFBNZ	Globalfiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19,19	6,7	8,11	16,19	
BPVU7C	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
BRWEYX	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
C4PXD4	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
C6HZUQ	Identifiler®						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
C6TWUC	Identifiler®						
	3sp	17,19,(21)		14,17	10,11,(13)	(10),11,12	
		11,14		8,(11),13	11,13	14,18,(19)	
		13,15	28,30,(31)	X,Y	(7),10,11	21.2,(22),23	
			6,7,(8)	8,11	16,(17),(18),19		

TABLE 2

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 3sp - STR Results

C8NGBV	PowerPlex® 16	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,19	
C9KH4K	Identifiler®	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
C9KH77	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,18,19	
CAE4YX	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
CAYZAC	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
CBUHBD	Identifiler®, GlobalFiler	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			-	-	19,19	6,7	8,11	16,19
CEPAJA	Identifiler® Plus	3sp		17,19		14,17	10,11,[13]	11,12
			11,14			8,13	11,13	14,18
			13,15	28,30,[31]		X,Y	10,11	21.2,23
						6,7,[8]	8,11	16,[17],19

TABLE 2

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 3sp - STR Results

CFKWTT	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
CGXBG3	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,18,19
CHBBPD	Identifiler® Plus	3sp	17,19,20,21		14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
						6,7,8	8,10,11	16,17,18,19
CHTUJ4	PowerPlex® 16 HS	3sp			14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18	
				28,30,31		X,Y	10,11	21.2,22,23
			11,14	7,10,12,18		6,7	8,11	16,18,19
CLPD83	Identifiler® Plus	3sp	-	17,19	-	14,17	10,11	11,12
			11,14	-	-	8,13	11,13	14,18
			13,15	28,30	-	X,Y	10,11	21.2,23
			-	-	-	6,7	8,11	16,19
CM2R24	Identifiler® Identifiler Plus Kit	3sp	-	17,19	-	14,17	10,11	11,12
			11,14	-	-	8,13	11,13	14,18
			13,15	28,30	-	X,Y	10,11	21.2,23
			-	-	-	6,7	8,11	16,19
CNZC6B	Identifiler® Plus	3sp		17,19		14,17	10,11,[13]	11,12
			11,14			8,13	11,13	14,18,[19]
			13,15	28,30,[31]		X,Y	[7],10,11	21.2,23
						6,7,[8]	8,11	16,[17],19

TABLE 2

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 3sp - STR Results

CQFMGZ	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
CQJFN2	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
D22PFR	PowerPlex® 16 HS					
3sp				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,13	14,18,19
		28,29,30,31		X,Y	10,11	21.2,22,23
	11,14	7,10,12,18		6,7	8,10,11	16,17,18,19
D2YGB9	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,[12],13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19
D38282	PowerPlex® HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30,31		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
D7CPPD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
DACZHR	Identifiler® Identifiler Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,22
				6,7	8,10,11	16,19

TABLE 2

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 3sp - STR Results

DATL2N	Identifiler® Plus	3sp	NA	17,19	NA	14,17	10,11	11,12
			11,14	NA	NA	8,13	11,13	14,18
			13,15	28,30	NA	X,Y	10,11	21.2,23
			NA	NA	NA	6,7	8,11	16,19
DEPKYD	PowerPlex® 21	3sp	17.3,18.3	17,19		14,17	10,11	11,12
			11,14		21,24	8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
DF4VTC	Identifiler® Plus	3sp		17,19		14,17	10,11	11,12
			11,14			8,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
DQ2YW7	Identifiler® Plus, MiniFiler	3sp		17,19		14,17	10,11	11,12
			11,14			8,12,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,18,19
DRR7UN	Identifiler® Plus	3sp		17,19,[20],[21]		14,[16],17	10,11,[13]	10,11,12
			11,14			8,[11],[12],13	11,[12],13	14,18,19
			13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,22,23
						6,7,[8]	8,10,11	16,[17],[18],19
DVTMGD	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,12,13	11,13	14,18,19
			13,15	28,29,30,31	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,17,19
DW2UJ7	GlobalFiler	3sp	14,16.3,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
			11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
			13,14,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
					17,18,19	6,7,8	8,10,11	16,17,18,19

TABLE 2

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 3sp - STR Results

DXZB6W	Identifiler®					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
DYC3YX	Identifiler® Plus					
	3sp	17,19,20		14,16,17	10,11	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30	X,Y	10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
DYR2YW	Identifiler®					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
DZN2U8	Identifiler® Plus, MiniFiler					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
E2BF3W	Identifiler® Plus					
	3sp	17,19		14,17	10,11	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30	X,Y	10,11	21.2,22,23
			6,7	8,11	16,18,19	
E7NF39	Identifiler® Plus, MiniFiler					
	3sp	17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19	
ECYM28	Identifiler® Plus, MiniFiler (see comments)					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

EDM8JW	PowerPlex® 16, HS					
3sp				14,17	10,11	10,11,12
	11,14			8,11,12,13	11,13	14,18
		28,30,31		X,Y	10,11	21.2,22,23
	7,11,14	7,12,18		6,7,8	8,11	16,17,18,19
EEY6VT	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
EHZHN8	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7,(8)	8,(10),11	16,19
EJCHK2	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
ELQWUB	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
EQJ6WV	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
ET2EY2	Identifiler® Plus					
3sp	NA	17,19	NA	14,17	10,11	11,12
	11,14	NA	NA	8,13	11,13	14,18
	13,15	28,30	NA	X,Y	10,11	21.2,23
	NA	NA	NA	6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

ETMJ72	Identifiler® Plus						
	3sp	-	17,19	-	14,17	10,11	11,12
		11,14	-	-	8,13	11,13	14,18
		13,15	28,30	-	X,Y	10,11	21.2,23
				6,7	8,11	16,19	
ETVTUT	Identifiler® ID28						
	3sp		17,19		14,17	10,11	[10],11,12
		11,14			8,13	11,13	14,18,[19]
		13,15	28,30		X,Y	10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,19	
EW8PZC	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
EXB48W	Identifiler® Plus						
	3sp		17,19		14,17	10,11	[10],11,12
		11,14			8,[11],[12],13	11,13	14,18
		13,15	28,[29],30		X,Y	10,11	21.2,[22],23
				6,7	8,11	16,[17],[18],19	
EZ3JXD	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19	
EZ3LMG	PowerPlex® 16 HS						
	3sp				14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
EZMBU4	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

F38QFW	Identifiler® Plus					
3sp		17,19		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7,8	8,10,11	16,18,19
F4HHJ7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
F6RR8W	PowerPlex® PP16 HS					
3sp				14,16,17	10,11	10,11,12
	11,14			8,11,13	11,13	14,18
		28,30,31		X,Y	10,11	21.2,22,23
	11,14	7,12,18		6,7	8,11	16,19
F73HL8	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
F78YJ7	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
F9Q34W	PowerPlex® 16 HS					
3sp				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
FAMQVN	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

FFR7HV	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
FG7QB7	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,17,19	
FHZB9D	Identifiler® ID Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
FLFTBF	PowerPlex® 16 HS						
	3sp				14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	
FLFTD2	Identifiler® Plus						
	3sp	no profile	17,19	no profile	14,17	10,11	11,12
		11,14	no profile	no profile	8,13	11,13	14,18
		13,15	28,30	no profile	X,Y	10,11	21.2,23
	no profile	no profile	no profile	6,7	8,11	16,19	
FM72BJ	GlobalFiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19,19	6,7	8,11	16,19	
FMBV66	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	

TABLE 2

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 3sp - STR Results

FMCAND	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FRPWDB	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FRRUH6	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FTH3H9	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FTWEC8	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FU8FX7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
FXR6HH	Identifiler® Plus					
3sp		17,19		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,13	14,18,19
	13,14,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7,8	8,11	16,17,18,19

TABLE 2

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 3sp - STR Results

FY78DC	PowerPlex® Fusion					
3sp	17,3,18,3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
FZX6PP	Identifiler® 1510189					
3sp		17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12
	11,14			8,[11],[12],13	11,[12],13	14,18,[19]
	13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19
GA4VXY	Identifiler® Plus					
3sp	N/A	17,19	N/A	14,16,17	10,11	11,12
	11,14	N/A	N/A	8,13	11,13	14,18
	13,15	28,30	N/A	X,Y	10,11	21.2,23
	N/A	N/A	N/A	6,7	8,11	16,19
GAZPHK	PowerPlex® 16					
3sp	N/A	N/A	N/A	14,17	10,11	11,12
	11,14	N/A	N/A	8,13	11,13	14,18
	N/A	28,30	N/A	X,Y	10,11	21.2,23
	11,14	7,12	N/A	6,7	8,11	16,19
GDG8LM	Identifiler® Plus					
3sp		17,19		14,17	10,11,[13]	10,11,12
	11,14			8,11,12,13	11,13	14,18,[19]
	13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,22,23
				6,7	8,[10],11	16,[17],[18],19
GK4G96	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	10,11,12
	11,14			8,12,13	11,12,13	14,18,19
	13,14,15	28,29,30		X,Y	10,11	21.1,22,23
				6,7,8	8,11	16,18,19
GKJPAP	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

GKZXZ8	Identifiler®	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
GM6YAZ	Identifiler® +, MiniFiler	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
GQ9WH8	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11		16,19
GUQJ77	PowerPlex® 16	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,[10],11	16,[18],19
GYZC8C	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,[23],24	8,13	11,[12],13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,[18],19
H8RF3D	GLOBALFILER	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
					19,19	6,7	8,11	16,19
H9MX4E	Identifiler®	3sp	17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12	
			11,14		8,[11],[12],13	11,[12],13	14,18,[19]	
			13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,[22],23
					6,7,[8]	8,[10],11		16,[17],[18],19

TABLE 2

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 3sp - STR Results

HBQANF	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19	
HC3PTL	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30		X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19
HEAHX2	PowerPlex® Fusion	3sp	14,17.3,18.3	17,19	11,14	14,17	10,11	10,11,12
			11,14	15,16	21,24	8,13	11,13	14,18,19
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7,8	8,11	16,19
HER2RR	Identifiler®	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19	
HFFZWW	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19	
HJQ7UC	PowerPlex® 16 HS	3sp			14,17	10,11	10,11,12	
			11,14		8,11,12,13	11,13	14,18,19	
				28,30,31		X,Y	10,11	21.2,22,23
			11,14	7,10,12		6,7	8,10,11	16,17,19
HLBZNR	Identifiler® Plus	3sp	17,19,[20],[21]		14,17	10,11,[13]	11,12	
			11,14		8,[11],13	11,13	14,18,[19]	
			13,15	28,[29],30,[31]		X,Y	[7],10,11	21.2,23
					6,7,[8]	8,[10],11	16,[17],19	

TABLE 2

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 3sp - STR Results

HLT2EZ	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HMGMXP	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HNC7YR	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HNWGN7	Identifiler® Plus						
	3sp		17,19		14,16,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,14,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HQH3GU	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HQKD7Q	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
HRVD9C	PowerPlex® 16 HS						
	3sp	-	-	-	14,17	10,11	11,12
		11,14	-	-	8,13	11,13	14,18
		-	28,30	-	X,Y	10,11	21.2,23
	11,14	7,12	-	6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

HWQ3R6	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
HZ8ELZ	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
J4283V	Identifiler® Plus						
	3sp		17,19		14,17	10,11	[10],11,12
		11,14			8,[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30		X,Y	10,11	21.2,23
					6,7,[8]	8,11	16,[18],19
J4HJK2	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
J4Z3DR	PowerPlex® 16 HS						
	3sp				14,17	10,11	10,11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
		11,14	7,12		6,7	8,11	16,19
J7E6P7	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
J7T4TB	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
		11,14	7,12		6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

JC332Z	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19
JHMM6V	Identifiler® Plus					
3sp		17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12
	11,14			8,[11],[12],13	11,[12],13	14,18,[19]
	13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,[22],23
				6,7	8,[10],11	16,[17],[18],19
JKQBM7	PowerPlex® FUSION					
3sp	17.3,18.3	17,19	11,14	14,17	10,11,13	11,12
	11,14	15,16	17,18,21,24	8,13	11,13	14,18,19
	13,14,15	28,29,30	11,17	X,Y	10,11	21.2,22,23
	9,11,14	7,12		6,7	8,11	16,17,18,19
JXWYQE	Identifiler®					
3sp		17,19,[20],[--]		14,[16],17,[--]	10,11,[--]	11,12,[--]
	11,14,[--]			8,13,[--]	11,13,[--]	14,18,[--]
	13,15,[--]	28,30,[31],[--]		X,Y	10,11,[--]	21.2,23,[--]
				6,7,[--]	8,11,[--]	16,[17],19,[--]
K2UG4E	Identifiler®, PowerPlex® ESI 16, NGM					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
				6,7	8,11	16,19
K3R2FY	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19
K4H9DG	PowerPlex® 16 HS					
3sp	-	-	-	14,17	10,11,13	10,11,12
	11,14	-	-	8,11,12,13	11,13	14,18
	-	28,30,31	-	X,Y	10,11	21.2,22,23
	11,14	7,12	-	6,7	8,11	16,17,19

TABLE 2

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 3sp - STR Results

K788HM	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
K7M9KN	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
K7RZY6	Identifiler®						
	3sp		17,19,(20),(21)		14,17	10,11,(13)	11,12
		11,14			8,(11),13	11,13	14,18
		13,15	28,30,(31)		X,Y	10,11	21.2,(22),23
				6,7,(8)	8,11	16,(17),19	
KBHV3W	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
KCW9VY	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
KDTBYH	PowerPlex® 16 HS						
	3sp				14,17	10,11	11,12
		11,14			8,11,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	
KEXQWV	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

KFDUQM	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
KKP7Y2	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
KL332L	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
KNPE3C	Identifiler®					
	3sp	17,19,[20]		14,17	10,11,[13]	[10],11,12
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]
		13,15	28,[29],30,[31]	X,Y	[7],10,11	21.2,23
			6,7,[8]	8,[10],11	16,[17],[18],19	
KT7W9Z	Identifiler® Plus, MiniFiler					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
KTHHUV	PowerPlex® 16 HS					
	3sp			14,16,17	10,11,13	10,11,12
		11,14		8,12,13	11,12,13	14,18,19
			28,29,30,31	X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18	6,7,8	8,10,11	16,17,18,19	
KWLA3V	Identifiler® Plus					
	3sp	N/A	17,19	N/A	14,16,17	10,11
		11,14	N/A	N/A	8,12,13	11,12,13
		13,14,15	28,30	N/A	X,Y	10,11
	N/A	N/A	N/A	6,7	8,11	16,17,18,19

TABLE 2

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 3sp - STR Results

KWZQ72	Identifiler® Plus						
	3sp		17,19		14,17	10,11,[13]	11,12
		11,14			8,[11],[12],13	11,[12],13	14,18
		13,15	28,[29],30,[31]		X,Y	10,11	21.2,23
				6,7,[8]	8,11	16,[17],19	
KXGXD4	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
KY97D8	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
KZ69FQ	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
KZYX3D	PowerPlex® 16						
	3sp	NA	NA	NA	14,17	10,11	11,12
		11,14	NA	NA	8,13	11,13	14,18
		NA	28,30	NA	X,Y	10,11	21.2,23
	11,14	7,12	NA	6,7	8,11	16,19	
L7HEEN	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
L7QMQ3	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

L8YVP2	PowerPlex® 16	3sp			14,17	10,11	[10],11,12	
			11,14		8,[12],13	11,13	14,18	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,[18],19	
L99B63	Identifiler® Plus	3sp		17,19,20,21	14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
					6,7,8	8,10,11	16,17,18,19	
LB2PTX	Identifiler® Plus, MiniFiler	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
LBX8K2	PowerPlex® 16	3sp			14,[16],17	10,11	[10],11,12	
			11,14		8,[12],13	11,[12],13	14,18	
				28,[29],30,[31]	X,Y	10,11	21.2,[22],23	
			[7],11,14	7,12	6,7,[8]	8,[10],11	16,[18],19	
LCRXQF	Identifiler® Plus	3sp		17,19,20,21	14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
					6,7,8	8,10,11	16,17,18,19	
LE3QUV	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,[11],[12],13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,[10],11	16,19	
LJ8BH8	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	10,11,12
			11,14	15,16	21,24	8,13	11,12,13	14,18,19
			13,14,15	28,29,30	11,16,17	X,Y	10,11	21.2,22,23
			11,14	7,12		6,7	8,11	16,17,18,19

TABLE 2

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 3sp - STR Results

LJAGW2	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
LJD2LP	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
LKLMAK	Identifiler®, PowerPlex® Fusion						
	3sp	14,17.3,18.3	17,19	11,14	14,17	*,10,11	10,11,12
		11,14	15,16	18,21,24	8,11,13	11,13	14,18,19
		13,14,15	28,29,30,31	11,16,17	X,Y	7,10,11	21.2,23
	11,14	* ,7,12		6,7,8	8,10,11	16,17,18,19	
LKM3HW	Identifiler® Plus						
	3sp		17,19,[20],[21]		14,17	10,11,[13]	11,12
		11,14			8,[11],13	11,[12],13	14,18
		13,[14],15	28,[29],30		X,Y	10,11	21.2,[22],23
				6,7,[8]	8,11	16,[17],19	
LMEUWM	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
LQAT4R	GlobalFiler						
	3sp	17.3,18.3	17,19,[20]	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,[11],13	11,13	14,18
		13,15	28,30,[31]	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,[17],19	
LUNVZH	Identifiler® Plus						
	3sp	-	17,19	-	14,17	10,11	11,12
		11,14	-	-	8,13	11,13	14,18
		13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

LUQDQ8	Identifiler®					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
LV3K4V	Identifiler® Plus					
	3sp	17,19	NA	14,17	10,11	11,12
		11,14	NA	8,13	11,13	14,18,[19]
		13,15	28,30	X,Y	10,11	21.2,23
		NA	6,7	8,11	16,19	
LWVDYD	Identifiler® Plus, MiniFiler					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
M2PYFL	Identifiler®					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
M68RHU	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
M69623	Identifiler® Plus					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	
M6JNNY	Identifiler®					
	3sp	17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
			6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

M6PBCL	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
M7KTD	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
M7XHGY	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
MAEEUB	Identifiler®, MiniFiler						
	3sp		17,19		14,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,13	14,18,19
		13,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7	8,11	16,17,19	
MBW9W7	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11,[13]	[10],11,12
		11,14	[12],[14],15,16	[17],21,24	8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	11,17	X,Y	[7],10,11	21.2,[22],23
	11,14	7,[10],12,[18]		6,7	8,11	16,[17],[18],19	
MCN89J	Identifiler® Plus, PowerPlex® 16 HS						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	
MCQDQJ	PowerPlex® 16 HS						
	3sp				14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

MCRBX9	PowerPlex® 16 HS					
3sp				14,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,13	14,18,19
		28,29,30,31		X,Y	10,11	21.2,22,23
	11,14	7,10,12		6,7	8,10,11	16,18,19
MDMQA7	Identifiler® Plus					
3sp		17,19		14,16,17	10,11	11,12
	11,14			8,11,12,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,22,23
				6,7	8,10,11	16,19
MFNB3R	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
MGXKQH	PowerPlex® 16					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
MKXWLH	PowerPlex® 16					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14 [^] ,18 [^]
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
MM446A	PowerPlex® 16 HS					
3sp				14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
		28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
MQ3HQE	Identifiler® Plus, PowerPlex® HS					
3sp		17,19,21		14,16,17	10,11	10,11,12
	11,14			8,11,13	11,12,13	14,18,19
	13,14,15	28,30,31		X,Y	7,10,11	21.2,23
	7,9,11,14	7,10,12		6,7,8	8,10,11	16,18,19

TABLE 2

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 3sp - STR Results

MQ6N7U	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
MQKAFV	Identifiler® Plus, MiniFiler					
3sp		16,17,18,19,20		13,14,16,17	10,11,13	10,11,12
	10,11,13,14			8,11,12,13	10,11,12,13	13,14,17,18,19
	12,13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7	8,10,11	16,17,18,19
MUP8YX	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
MWPHRD	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
MX8T66	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
MY2EXW	Identifiler® Plus					
3sp	NA	17,19	NA	14,17	10,11	11,12
	11,14	NA	NA	8,[12],13	11,13	14,18
	13,15	28,30	NA	X,Y	10,11	21.2,[22],23
	NA	NA	NA	6,7	8,11	16,19
MY6YNK	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

MYZQ96	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
MZDUT4	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,23,24	8,12,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,18,19
N4PMB2	Identifiler® Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
N4UXEK	PowerPlex® HS	3sp			14,17	10,11,[13]	[10],11,12	
			11,14		8,13	11,13	14,18,[19]	
				28,30	X,Y	[7],10,11	21.2,[22],23	
			11,14	7,12	6,7,[8]	8,11	16,[17],[18],19	
N7XCPQ	Identifiler® Identifiler Plus	3sp	17,19		14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
N89CJZ	Identifiler® Plus	3sp	17,19,20,21		14,16,17	10,11,13	10,11,12	
			11,14		8,11,12,13	11,12,13	14,18,19	
			13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23	
					6,7,8	8,10,11	16,17,18,19	
N8Q3U6	PowerPlex® Fusion	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
			11,14	7,12		6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

NAHKAQ	Identifiler® Plus						
	3sp	-	17,19	-	14,17	10,11	11,12
		11,14	-	-	8,13	11,13	14,18
		13,15	28,30	-	X,Y	10,11	21.2,23
		-	-	-	6,7	8,11	16,19
NEDE67	PowerPlex® 16 HS						
	3sp				14,17	10,11	10,11,12
		11,14			8,11,12,13	11,13	14,18
			28,29,30,31		X,Y	10,11	21.2,22,23
		11,14	7,12		6,7	8,11	16,19
NGY79W	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
NHA8V	Identifiler® IdentifilerPlus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
NHRANP	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
NLUWE8	Globalfiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
				19,19	6,7	8,11	16,19
NM74RV	PowerPlex® FUSION						
	3sp	14,16.3,17.3,18.3	17,19,20	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,15	28,29,30,31	11,12,16,17	X,Y	7,10,11	21.2,22,23
		9,11,14	7,10,12,18		6,7,8	8,11	16,17,18,19

TABLE 2

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 3sp - STR Results

NP6AW7	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
NPAHCL	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
				8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
		11,14	7,12	6,7	8,11	16,19
NQNQEU	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
NTAQFV	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
NVBB7V	Identifiler® Plus					
3sp		17,19,[20]		14,[16],17	10,11	[10],11,12
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30	X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19
NVTUZZ	PowerPlex® HS					
3sp				14,17	10,11,13	10,11,12
				8,11,13	11,13	14,18
		28,30,31		X,Y	10,11	21.2,23
		7,9,11,14	7,10,12	6,7,8	8,11	16,17,18,19
NW6LUN	Identifiler® Plus					
3sp		17,19,20		14,17	10,11	10,11,12
		11,14		8,11,12,13	11,12,13	14,18,19
		13,15	28,29,30,31	X,Y	10,11	21.2,22,23
				6,7,8	8,10,11	16,17,19

TABLE 2

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 3sp - STR Results

NZRY38	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,19	
P2JYHC	Identifiler®	3sp	N/A	17,19	N/A	14,17	10,11	11,12
			11,14	N/A	N/A	8,13	11,13	14,18
			13,15	28,30	N/A	X,Y	10,11	21.2,23
			N/A	N/A	N/A	6,7	8,11	16,19
P2ZM2W	Identifiler® Plus	3sp		17,19		14,17	10,11	11,12
			11,14			8,11,13	11,13	14,18
			13,15	28,30		X,Y	10,11	21.2,23
						6,7	8,11	16,19
P3CDXU	Identifiler® Plus, MiniFiler	3sp		17,19		14,17	10,11	10,11,12
			11,14			8,11,12,13	11,13	14,18
			13,14,15	28,29,30,31		X,Y	10,11	21.2,22,23
						6,7	8,11	16,18,19
P4PXP	PowerPlex® Fusion	3sp	17.3,18.3	17,19,[20],[21]	11,14	14,17	10,11	[10],11,12
			11,14	15,16	21,24	8,13	11,[12],13	14,18
			13,15	28,30	11,17	X,Y	[7],10,11	21.2,[22],23
			11,14	7,12,[18]		6,7	8,11	16,19
P888VV	PowerPlex® Fusion	3sp	[14],17.3,18.3	17,19,[20],[21]	11,14	14,17	10,11,[13]	11,12
			11,14	[12],15,16	[18],21,24	8,[11],13	11,[12],13	14,18,[19]
			13,15	28,30,[31]	11,17	X,Y	[7],10,11	21.2,[22],23
			[7],11,14	7,[10],12,[18]		6,7,[8]	8,[10],11	16,[17],[18],19
P92X2B	GlobalFiler	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
			11,14	15,16	21,24	8,13	11,13	14,18
			13,15	28,30	11,17	X,Y	10,11	21.2,23
					19,19	6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

P9696U	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
P9G6BY	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
PAC86N	Identifiler®					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
PB8P7P	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
PC2FBJ	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
PDE86K	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
PK8H9N	Identifiler® Identifiler Plus					
3sp		17,19		14,17	10,11	10,11,12
		11,14		8,13	11,12,13	14,18
		13,14,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

PRT7WK	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
PTPAZT	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
PVPMBY	Identifiler® Plus						
	3sp		17,19,[20],[21]		14,17	10,11	11,12
		11,14			8,[11],13	11,[12],13	14,18,[19]
		13,15	28,30,[31]		X,Y	[7],10,11	21.2,[22],23
				6,7,[8]	8,11	16,[17],[18],19	
PVU7Y3	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
PXK276	PowerPlex® 16 HS						
	3sp				14,17	10,11,13	11,12
		11,14			8,11,13	11,12,13	14,18
			28,30,31		X,Y	10,11	21.2,23
	11,14	7,10,12		6,7	8,11	16,19	
Q2FQTP	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
Q2TTNG	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

Q3LGTD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
Q9ZBAN	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QAQH87	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QB3R9Y	PowerPlex® Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
QBYEEB	Identifiler® Plus, Identifiler, PowerPlex® Fusion					
3sp	*,17.3,18.3	17,19,20,21	11,14	14,16,17	10,11,13	10,11,12
	11,14	12,15,16	*,18,21,24	8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	11,17	X,Y	7,10,11	21.2,22,23
	*,11,14	7,12,18		6,7,8	8,10,11	16,17,18,19
QG7VWC	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QGMD8Q	Identifiler® Plus					
3sp		17,19,20,21		13,14,16,17	9,10,11,13	10,11,12
	10,11,13,14			7,8,11,12,13	10,11,12,13	13,14,17,18,19
	12,13,14,15	27,28,29,30,31		X,Y	7,9,10,11	20.2,21.2,22,23
				5,6,7,8	7,8,10,11	15,16,17,18,19

TABLE 2

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 3sp - STR Results

QGPHVU	Identifiler® Plus					
3sp		17,19,[20],[21]		14,[16],17	10,11,[13]	[10],11,12
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	X,Y	10,11	21.2,[22],23
				6,7,[8]	8,[10],11	16,[17],[18],19
QH2EYD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
QKTUNU	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
QMBG29	Sure ID					
3sp	17.3,18.3	17,19		14,17	10,11	11,12
	11,14		21,24	8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
QMDVJF	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
QPGQ3J	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
QR9NNW	PowerPlex® 21					
3sp	17.3,18.3	17,19		14,16,17	10,11,13	10,11,12
	11,14		17,21,24	8,13	11,12,13	14,18
	13,14,15	28,30		X,Y	7,10,11	21.2,23
	11,14	7,12		6,7	8,10,11	16,19

TABLE 2

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 3sp - STR Results

QT47PX	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QTGWLV	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QTKGBJ	Identifiler® Plus					
3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,13,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
QXEART	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
QY6GPB	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,11,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,17,19
QZLNYY	Identifiler®					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
R4W4XP	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

R68HEQ	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
R6QU46	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,[17]	X,Y	[10],11	21.2,23
	[11],[14]	[7],[12]		6,7	[8],[11]	16,19	
R8WETP	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
R9RXVQ	Identifiler® Plus						
	3sp		17,19		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7	8,11	16,18,19	
RB2X3J	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
RBWX6J	PowerPlex® Fusion						
	3sp	14,17.3,18.3	17,19,20	11,14	14,16,17	10,11	10,11,12
		11,14	14,15,16	17,18,21,24	8,12,13	11,12,13	14,18,19
		13,15	28,29,30	11,17	X,Y	7,10,11	21.2,22,23
	7,11,14	7,10,12		6,7,8	8,10,11	16,17,18,19	
RGHVRL	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

RHEB4H	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
RHGEUT	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
RM8ZDF	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
RMWUFE	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
RR3UBG	Identifiler®					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19
RTU8ZA	PowerPlex® 16					
3sp	N/A	N/A	N/A	14,[16],17	10,11,[13]□	[10],11,12
	11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,[19]□
	N/A	28,30,[31],[--]□	N/A	X,Y	10,11	21.2,23
	11,14	7,12	N/A	6,7,[8]□	8,[10],11□	16,[17],[18],19□
RUYEYP	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
		11,14		8,13	11,13	14,18
		13,15	28,30	X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

RY4UXP	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
RYY4JA	Identifiler® Plus, PowerPlex® 16 HS						
	3sp		17,19,21		14,16,17	*,10,11	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,15	28,29,30,31		X,Y	7,10,11	21.2,23
	7,9,11,14	7,12,18		6,7,8	8,10,11	16,17,18,19	
RYYLJB	PowerPlex® 16 HS						
	3sp				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	10,11	21.2,22,23
	9,11,14	7,12,18		6,7,8	8,10,11	16,17,18,19	
RYZJT7	Identifiler® Plus						
	3sp		17,19		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7,8	8,11	16,17,18,19	
RZGGL7	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
RZV3V8	Globalfiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19,19	6,7	8,11	16,19	
T4FLMC	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

T7JG9Z	PowerPlex® Fusion						
	3sp	16,3,17,3,18,3	17,19	11,14	14,16,17	10,11,13	10,11,12
		11,14	12,14,15,16	17,18,21,24	8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31	11,17	X,Y	10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
T8BFDK	Identifiler® Plus, PowerPlex® 16 HS						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	
T9LEG8	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
TALYHU	Identifiler® Identifiler Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
TCMJBF	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
TCR7Y2	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
TF8N6P	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

TGKAQK	GlobalFiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
		-	19	6,7	8,11	16,19	
TJ6P8L	Identifiler® Plus						
	3sp	NT	17,19	NT	14,17	10,11	11,12
		11,14	NT	NT	8,13	11,13	14,18
		13,15	28,30	NT	X,Y	10,11	21.2,23
		NT	NT	6,7	8,11	16,19	
TJNZYK	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
TKJPAT	Identifiler® Plus						
	3sp		17,19,21		14,17	10,11	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30		X,Y	7,10,11	21.2,22,23
				6,7,8	8,11	16,17,19	
TLEHYK	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
TQNKXA	PowerPlex® 16 HS						
	3sp				14,17	10,11	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	10,11	21.2,22,23
	7,11,14	7,10,12,18		6,7,8	8,11	16,17,18,19	
TTY9UT	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

TUPZGD	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
TWYL7K	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
TXJ7RA	Identifiler®						
	3sp	-	17,19,[20],[21]	-	14,[16],17	10,11,[13]	[10],11,12
		[11],14	-	-	8,[11],[12],13	11,[12],13	14,18,19
		13,[14],15	28,[29],30,[31]	-	X,Y	[7],10,11	21.2,22,23
		-	-	-	6,7,[8]	8,[10],11	16,17,18,19
TY3GQM	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
TYJMYL	PowerPlex® 16 HS						
	3sp				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,30,31		X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
TZYX3K	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
U3VKXE	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

U4CGPE	Identifiler®, PowerPlex® ES17 Pro, NGM SElect					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,19
U4Q3YG	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
U7FTHE	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
U7TBCJ	PowerPlex® PP16 HS					
3sp				14,17	10,11	10,11,12
	11,14			8,11,13	11,13	14,18
		28,30,31		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,18,19
UF389X	PowerPlex® Fusion					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
UFZPY2	PowerPlex® Fusion System, NGM SElect					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
	11,14	7,12	19	6,7	8,11	16,19
UGV4V7	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

UHQMW8	Identifiler®						
	3sp	N/A	17,19	N/A	14,[16],17	10,11,[13]	[10],11,12
		11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	N/A	X,Y	[7],10,11	21.2,[22],23
	N/A	N/A	N/A	6,7,[8]	8,[10],11	16,[17],[18],19	
UHR6MW	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
UJ4BZK	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
UK3THU	PowerPlex® 21						
	3sp	17.3,18.3	17,19		14,17	10,11	11,12
		11,14		21,24	8,13	11,12,13	14,18
		13,15	28,30,31		X,Y	10,11	21.2,22,23
	11,14	7,12		6,7	8,11	16,19	
UMMYMH	Identifiler® Plus						
	3sp		17,19,20,21		14,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
UQ44G8	PowerPlex® 16 HS						
	3sp				14,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	10,11	21.2,22,23
	11,14	7,12		6,7	8,11	16,18,19	
UTMP22	PowerPlex® HS						
	3sp				14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
			28,29,30,31		X,Y	7,10,11	21.2,22,23
	7,9,11,14	7,10,12,18		6,7	8,10,11	16,17,18,19	

TABLE 2

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 3sp - STR Results

UTTNR	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
UVEXZ6	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30,[31]		X,Y	10,11	21.2,23
				6,7,[8]	8,11	16,19
UYUZ6U	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
UYZYGQ	Identifiler® Plus, MiniFiler					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
V48JRN	PowerPlex® ESI 17 PRO & ESX 17					
3sp	17.3,18.3	17,19,[20],[21]	11,14	14,[16],17		
	11,14	[12],[14],15,16	21,24		11,13	14,18,[19]
	13,15	28,30,[31]	11,17	X,Y		21.2,[22],23
			[17],19	6,7,[8]		16,[17],[18],19
V6ZW6L	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
V86XED	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

VCH2KZ	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,22,23
	11,14	7,12		6,7	8,11	16,19
VDDUAR	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
VEPGWD	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
VERBDX	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
VGTE3Y	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,11,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,10,12		6,7	8,11	16,19
VJ2FAR	Identifiler®, PowerPlex®					
3sp		17,19,[20],[21]		14,17	10,11,[13]	11,12
	11,14			8,[11],[12],13	11,13	14,18,[19]
	13,15	28,30,[31]		X,Y	[7],10,11	21.2,23
				6,7,[8]	8,11	16,[17],19
VLAK2U	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

VP8YNK	Identifiler® Plus						
	3sp	-	17,19	-	14,17	10,11	11,12
		11,14	-	-	8,13	11,13	14,18
		13,15	28,30	-	X,Y	10,11	21.2,23
				6,7	8,11	16,19	
VT9HFK	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
VTLFKN	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
VUFZDF	Identifiler® Plus						
	3sp		17,19		14,[16],17	10,11,[13]	[10],11,12
		11,14			8,[11],[12],13	11,[12],13	14,18,[19]
		13,15	28,30,[31]		X,Y	[7],10,11	21.2,[22],23
				6,7	8,[10],11	16,[18],19	
VUZADN	Identifiler® Plus, MiniFiler						
	3sp		17,19,20		13,14,16,17	10,11	10,11,12
		10,11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30		X,Y	10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
W6FCJM	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
W88LDN	Identifiler® Plus						
	3sp		17,19,[21]		14,17	10,11	11,12
		11,14			8,[11],13	11,13	14,18,[19]
		13,15	28,30,[31]		X,Y	10,11	21.2,23
				6,7,[8]	8,11	16,[17],19	

TABLE 2

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 3sp - STR Results

W8ZZGM	Identifiler® Plus						
	3sp		17,19,[21]		14,[16],17	10,11,[13]	[10],11,12
		11,14			8,13	11,[12],13	14,18
		13,[14],15	28,[29],30,[31]		X,Y	[7],10,11	21.2,23
				6,7,[8]	8,[10],11	16,[18],19	
WAM8RN	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
WD9WC2	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
WDMP4H	Identifiler® Plus						
	3sp	n/a	17,19	n/a	14,17	10,11	11,12
		11,14	n/a	n/a	8,13	11,13	14,18
		13,15	28,30	n/a	X,Y	10,11	21.2,23
	n/a	n/a	n/a	6,7	8,11	16,19	
WEFRK7	Identifiler®						
	3sp	-	17,19,[20],[21]	-	14,[16],17	10,11,[13]	[10],11,12
		11,14	-	-	8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	-	X,Y	[7],10,11	21.2,[22],23
	-	-	-	6,7,[8]	8,[10],11	16,[17],[18],19	
WFRF7R	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19	
WGQ2WH	Identifiler® Plus						
	3sp		17,19		14,17	10,11	10,11,12
		11,14			8,11,12,13	11,13	14,18,(19)
		13,15	28,30,(31)		X,Y	10,11	21.2,22,23
				6,7,8	8,11	16,(17),19	

TABLE 2

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 3sp - STR Results

WJC8HU	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	10,11,12
		11,14	14,15,16	21,24	8,11,13	11,12,13	14,18,19
		13,15	28,30,31	11,17	X,Y	10,11	21.2,22,23
		11,14	7,12	6,7	8,10,11	16,18,19	
WRNUJN	Identifiler® Plus, MiniFiler						
	3sp		17,18,19,20,21		14,16,17	10,11	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,15	28,29,30,31		X,Y	10,11	21.2,22,23
				6,7	8,11	16,18,19	
WUEM7D	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
WUY4LF	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
WVTR2Q	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
WXAG4E	Identifiler® Plus						
	3sp		17,19,21		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
WXC9VV	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18,[19]
		13,15	28,30	11,17	X,Y	10,11	21.2,23
		11,14	7,12	6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

WXEY2D	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,[11],13	11,13	14,18,[19]
		13,15	28,30		X,Y	[7],10,11	21.2,23
				6,7	8,11	16,19	
X4CFZ3	PowerPlex® 16 HS						
	3sp				14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	
X4DBJ9	PowerPlex® Fusion						
	3sp	17.3,18.3	17,19,[21]	11,14	14,[16],17	10,11,[13]	[10],11,12
		11,14	[14],15,16	[17],21,24	8,[12],13	11,[12],13	14,18,[19]
		13,15	28,[29],30,[31]	11,17	X,Y	10,11	21.2,[22],23
	[9],11,14	7,[10],12,[18]		6,7	8,11	16,[17],[18],19	
X6RARJ	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
X9AA6E	Identifiler®						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	29,30,31		X,Y	7,10,11	22,23
				6,7,8	8,10,11	16,17,18,19	
XD646Z	Identifiler®						
	3sp	N/A	17,19,[20],[21]	N/A	14,[16],17	10,11,[13]	10,11,12
		11,14	N/A	N/A	8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]	N/A	X,[Y]	[7],10,11	21.2,22,23
	N/A	N/A	N/A	6,7,[8]	8,[10],11	16,[17],[18],19	
XDLKFE	Identifiler® Plus						
	3sp		17,19		14,17	10,11	[10],11,12
		11,14			8,[11],[12],13	11,[12],13	14,18,[19]
		13,[14],15	28,[29],30,[31]		X,Y	10,11	21.2,23
				6,7	8,[10],11	16,[18],19	

TABLE 2

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 3sp - STR Results

XFR3EA	PowerPlex® Fusion						
	3sp	[16.3],17.3,18.3	17,19	11,14	14,[16],17	10,11	11,12
		11,14	[12],15,16	21,24	8,[11],[12],13	11,13	14,18,[19]
		13,15	28,30,[31]	11,17	X,Y	10,11	21.2,23
	[7],[9],11,14	7,12		6,7	8,11	16,19	
XHW7M	Identifiler® Plus, MiniFiler						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
XJRE8N	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19	
XKLE2	PowerPlex® Fusion						
	3sp						
XLT2L8	Identifiler® Plus, PowerPlex® HS						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,30,31		X,Y	7,10,11	21.2,23
	7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19	
XPE4UJ	Identifiler® Plus						
	3sp		17,19,20,21		13,14,16,17	9,10,11,13	10,11,12
		10,11,13,14			8,11,12,13	10,11,12,13	13,14,17,18,19
		12,13,14,15	28,29,30,31		X,Y	7,9,10,11	20.2,21.2,22,23
				6,7,8	8,10,11	15,16,17,19	
XQRPNF	PowerPlex® HS						
	3sp				14,17	10,11	11,12
		11,14			8,13	11,13	14,18
			28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

XV337D	Identifiler® Plus						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
XV3NXZ	Identifiler®						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
XWJW8N	Identifiler® Plus, MiniFiler						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
XX8GPD	GlobalFiler						
	3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
		11,14	15,16	21,24	8,13	11,13	14,18
		13,15	28,30	11,17	X,Y	10,11	21.2,23
			19	6,7	8,11	16,19	
XZFY2B	Identifiler®						
	3sp	17,19		14,17	10,11	11,12	
		11,14		8,13	11,13	14,18	
		13,15	28,30	X,Y	10,11	21.2,23	
			6,7	8,11	16,19		
Y49MT2	Identifiler® Plus						
	3sp	17,19,[21]		14,[16],17	10,11,[13]	[10],11,12	
		11,14		8,[11],[12],13	11,[12],13	14,18,[19]	
		13,[14],15	28,[29],30,[31]	X,Y	[7],10,11	21.2,[22],23	
			6,7,[8]	8,[10],11	16,[17],[18],19		
Y6P64F	Identifiler® Plus						
	3sp	16,17,18,19,21		13,14,16,17	10,11,13	10,11,12	
		10,11,13,14		8,11,12,13	10,11,12,13	14,17,18,19	
		13,14,15	27,28,29,30,31	X,Y	10,11	20.2,21.2,22,23	
			6,7,8	8,10,11	16,17,18,19		

TABLE 2

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 3sp - STR Results

Y7F3Z8	PowerPlex® 16	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14 [^] ,18 [^]	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,19	
Y7XXKU	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
Y8Y7B8	PowerPlex® 16 HS	3sp			14,17	10,11	11,12	
			11,14		8,11,13	11,13	14,18	
				28,30	X,Y	7,10,11	21.2,23	
			7,11,14	7,10,12	6,7,8	8,11	16,17,19	
YC7WDD	PowerPlex® 16 Hot Start	3sp			14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
				28,30	X,Y	10,11	21.2,23	
			11,14	7,12	6,7	8,11	16,19	
YDHHY9	Identifiler®	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	
YFBEKL	PowerPlex® ESX16 Fast	3sp	17.3,18.3	17,19	11,14	14,17		
			11,14	15,16	21,24		11,13	14,18
			13,15	28,30	11,17	X,Y		21.2,23
						6,7		16,19
YFM989	Identifiler® Plus	3sp		17,19	14,17	10,11	11,12	
			11,14		8,13	11,13	14,18	
			13,15	28,30	X,Y	10,11	21.2,23	
					6,7	8,11	16,19	

TABLE 2

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 3sp - STR Results

YGZQBE	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19
YJLWU6	PowerPlex® 21					
3sp	17.3,18.3	17,19		14,17	10,11	11,12
	11,14		21,24	8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
YLCPJY	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
YMRZKD	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,[18],19
YPC2DE	PowerPlex® 16 HS					
3sp				14,16,17	10,11	10,11,12
	11,14			8,12,13	11,12,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7,8	8,11	16,18,19
YQN9P3	Identifiler®					
3sp	N/A	17,19	N/A	14,17	10,11	[10],11,12
	11,14	N/A	N/A	8,[11],[12],13	11,13	14,18,[19]
	13,15	28,[29],30,[31]	N/A	X,Y	10,11	21.2,[22],23
	N/A	N/A	N/A	6,7	8,[10],11	16,[17],[18],19
YTQ4A6	Identifiler® Plus					
3sp	-	17,19	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	13,15	28,30	-	X,Y	10,11	21.2,23
	-	-	-	6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

YZVB7E	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
Z4RJL9	Identifiler®						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
Z7J7QH	Identifiler® Plus						
	3sp		17,19		14,17	10,11	11,12
		11,14			8,13	11,13	14,18
		13,15	28,30		X,Y	10,11	21.2,23
					6,7	8,11	16,19
Z9LKZN	Identifiler® Plus						
	3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
		11,14			8,11,12,13	11,12,13	14,18,19
		13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
					6,7,8	8,10,11	16,17,18,19
ZAE7FD	PowerPlex® 16 HS						
	3sp				14,16,17	10,11,13	10,11,12
		11,14			8,12,13	11,12,13	14,18,19
			28,30,31		X,Y	7,10,11	21.2,22,23
		7,9,11,14	7,10,12,18		6,7,8	8,10,11	16,17,18,19
ZBQFH7	Identifiler® Plus						
	3sp	N/A	17,19	N/A	14,17	10,11	11,12
		11,14	N/A	N/A	8,13	11,13	14,18
		13,15	28,30	N/A	X,Y	10,11	21.2,23
		N/A	N/A	N/A	6,7	8,11	16,19
ZC2FGL	Identifiler® Plus						
	3sp		[17],19		17	[10],11	NT
		11			[8],13	11,[13]	14,18
		[13],[14],15	28,30		NT	NT	21.2,22
					6	11	19

TABLE 2

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 3sp - STR Results

ZDFA8Z	PowerPlex® 16 HS					
3sp				14,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,13	14,18,19
		28,30,31		X,Y	10,11	21.2,22,23
	9,11,14	7,10,12,18		6,7	8,11	16,17,18,19
ZF3J99	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZFZJK2	PowerPlex® Fusion					
3sp	[14],[16.3],17.3,18.3	17,19,[20],[21]	11,14	14,[16],17	10,11,[13]	10,11,12
	11,14	[12],[14],15,16	[17],[18],21,24	8,[11],[12],13	11,[12],13	14,18,19
	13,[14],15	28,[29],30,[31]	11,[12],[16],17	X,Y	[7],10,11	21.2,22,23
	[7],[9],11,14	7,[10],12,[18]		6,7,8	8,[10],11	16,[17],[18],19
ZG2ZQH	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZKFPX9	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZM2BQV	GlobalFiler					
3sp	17.3,18.3	17,19	11,14	14,17	10,11	11,12
	11,14	15,16	21,24	8,13	11,13	14,18
	13,15	28,30	11,17	X,Y	10,11	21.2,23
			19,19	6,7	8,11	16,19
ZPPPE6	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

ZRC69T	PowerPlex® PP21					
3sp	17.3,18.3	17,19,[20]		14,[15],17	10,11	11,12
	11,[12],14,[15]		21,24	8,[12],13	[8],11,[12],13	[11],[12],14,18
	13,15	28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,[18],19
ZRYNWT	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZRYVUE	Identifiler® Plus					
3sp		17,19		14,16,17	10,11	10,11,12
	11,14			8,12,13	11,13	14,18,19
	13,14,15	28,29,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZTTLZU	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZTXF9	PowerPlex® 16 HS					
3sp	-	-	-	14,17	10,11	11,12
	11,14	-	-	8,13	11,13	14,18
	-	28,30	-	X,Y	10,11	21.2,23
	11,14	7,12,18	-	6,7,8	8,11	16,19
ZVHU8A	Identifiler®					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZVX7PE	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19

TABLE 2

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 3sp - STR Results

ZVYYRT	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,[12],13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZWRWVT	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZWW6B9	PowerPlex® 16 HS					
3sp	NA	NA	NA	14,17	10,11	11,12
	11,14	NA	NA	8,13	11,13	14,18
	NA	28,30	NA	X,Y	10,11	21.2,23
	11,14	7,12	NA	6,7	8,11	16,19
ZXZC3Z	PowerPlex® 16 HS					
3sp				14,17	10,11	11,12
	11,14			8,13	11,13	14,18
		28,30		X,Y	10,11	21.2,23
	11,14	7,12		6,7	8,11	16,19
ZY2ZRQ	Identifiler® Plus					
3sp		17,19		14,17	10,11	11,12
	11,14			8,13	11,13	14,18
	13,15	28,30		X,Y	10,11	21.2,23
				6,7	8,11	16,19
ZYCJFN	Identifiler® ID Plus					
3sp		17,19,20,21		14,16,17	10,11,13	10,11,12
	11,14			8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31		X,Y	7,10,11	21.2,22,23
				6,7,8	8,10,11	16,17,18,19
ZYYP29	PowerPlex® ES116					
3sp	[14],16.3,17.3,18.3	17,19,[20],[21]	11,14	14,[16],17		
	11,14	[12],[14],15,16	[17],[18],21,24		11,[12],13	14,18,19
	13,[14],15	28,[29],30	11,12,[16],17	X,Y		21.2,[22],23
				6,7,[8]		16,[17],18,19

TABLE 2

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 3sr - STR Results

VJH6BD	Identifiler®				
3sr		17,19,20,21	14,16,17	10,11,13	10,11,12
	11,14		8,11,12,13	11,12,13	14,18,19
	13,14,15	28,29,30,31	X,Y	7,10,11	21.2,22,23
			6,7,8	8,10,11	16,17,18,19

TABLE 2

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

23FU9N	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
24AF2E	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
2AUKP9	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
2DXP8M	Identifiler®						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
2E3PZ3	COfiler® and Profiler Plus® 10 Loci						
	4				16,16	11,12	9,11
		14,14			11,11		17,18
			28,29		X,Y		24,24
						15,18	
2E8XEG	Globalfiler						
	4	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
2H8RAH	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

2J2D4A	PowerPlex® 16 HS					
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
2JXZ8Z	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
2KPFMX	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
2L2XHT	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
2M2NYA	PowerPlex® 16 HS					
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
2MWGJU	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
2P8QN9	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

2QH4BM	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2RQMAD	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2RUTQT	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
2RY23L	Identifiler®, PowerPlex®					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2WJEBZ	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
2WN7DW	Identifiler®					
4	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18
2WR8DH	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

2XHWJB	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
2XWJTD	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
2YQ6PP	PowerPlex® Fusion					
4		15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
		11,12	8,14		7,8	8,9
2Z6QZC	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
32Y6DA	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
342NZ4	Profiler Plus®					
4				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y		24,24
						15,18
34XKCC	PowerPlex® 16 HS					
4				16	11,12	9,11
		14		11	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

36CG4H	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
3773WA	Identifiler®					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
3ABCXJ	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
3AKXC7	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
3BGDMH	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
3DAPLA	Identifiler® Identifiler Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
3FJQQF	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

3HFPWU	Identifiler® Plus	4	NT	16,22	NT	16	11,12	9,11
			14	NT	NT	11	11	17,18
			13,14	28,29	NT	X,Y	10,12	24
			NT	NT	NT	7,8	8,9	15,18
3LH799	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
3MDVJG	Globalfiler	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
3MWQ2J	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
3NMY2	PowerPlex® 16 HS	4				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
3QF34N	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
3TNXJR	PowerPlex® 16 HS	4				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18

TABLE 2

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

3UHKF4	PowerPlex® 16 HS					
4	-	-	-	16	11,12	9,11
	14	-	-	11	11	17,18
	-	28,29	-	X,Y	10,12	24
	11,12	8,14	-	7,8	8,9	15,18
3UV3AA	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
3UZNVG	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
3Z4LC9	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
3ZEK7G	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
42MEMW	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17,3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
42T3AM	Identifiler®					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

43NQK7	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
44WFUN	PowerPlex® Fusion					
4		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
44X3X2	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
46C7UD	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
46UM39	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
47ND72	Identifiler® Plus, PowerPlex® 16 HS					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
48487G	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

4CQMEF	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4D6H7U	GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18
4DMQWA	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4DP967	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
4GM7GD	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4GZZWE	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4JPA39	Identifiler®, GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18

TABLE 2

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

4Q87ZA	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
4Q9BND	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
4V269D	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
62L46Y	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
62NCC4	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
63Y8ZG	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
66TTU8	PowerPlex® 16 HS					
4				16,16	11,12	9,11
				11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

68NDBQ	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
68WDT2	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6AXJ97	PowerPlex® HS					
4				16	11,12	9,11
				11	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
6BAQHA	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6DGVQ9	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6EHF8H	PowerPlex® 21					
4		15,15	16,22	16,16	11,12	9,11
		14,14		17.3,20	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
6FDVKF	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

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6GGE33	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6HAXTN	Identifiler®					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6KFQX3	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6KHQ8V	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
6MRQEN	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6Q76H4	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6R34WM	Identifiler®, Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

6RH6W4	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6RXQ76	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6TZA3	PowerPlex® 16 HS					
4	not tested	not tested	not tested	16	11,12	9,11
	14	not tested	not tested	11	11	17,18
	not tested	28,29	not tested	X,Y	10,12	24
	11,12	8,14	not tested	7,8	8,9	15,18
6U3NN9	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6UADAD	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
6V3REC	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6VY8QA	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

6WTHE3	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
6XPXPE	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
7233W8	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
73GDZ7	PowerPlex® 16 HS					
4				16,16	11,12	9,11
				14,14	11,11	17,18
		28,29		X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
74PFXY	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
74UUBY	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
77YM3C	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

78NMQU	Identifiler®					
4	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18
7DYXJ3	PowerPlex® 16 HS					
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
7EUFL6	GlobalFiler					
4	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
7F4799	Identifiler® Plus					
4	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18
7F7DQ9	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
7GBN74	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7HR3BL	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

7J4U33	PowerPlex® 16 HS					
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
7JMPK6	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7KX2AF	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,[18]
7LA9L3	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
7NW334	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7NXV6H	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
7U39PF	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

7UFBK9	PowerPlex® 16 HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
84P3LF	PowerPlex® 21	4	15,15	16,22	16,16	11,12	9,11	
			14,14		17.3,20	11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
			11,12	8,14		7,8	8,9	15,18
863G84	Identifiler® Plus	4		16,22	16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
86Z93K	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
8AQDLT	PowerPlex® 16 HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
8ATRH3	PowerPlex® HS	4			16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
				28,29		X,Y	10,12	24,24
			11,12	8,14		7,8	8,9	15,18
8B76N7	Identifiler® Plus	4		16,22	16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

8E6YH8	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
8EQFWN	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
8F2FTH	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
8FFQMG	PowerPlex® Fusion					
4		16,22	11,14	16,[17]	11,12	9,11,[12]
		14,[15]	12,13	17.3,20	[9],11	[10],11,[12]
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	NT	7,8	8,9
8FXC4T	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
8GTU7U	Identifiler®					
4		16,22	N/A	16,16	11,12	9,11
		14,14	N/A	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		N/A	N/A	7,8	8,9	15,18
8JZYJ	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

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8LLYYY	Identifiler® Plus, PowerPlex® HS,Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
8N7TRT	PowerPlex® 16					
4	N/A	N/A	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	N/A	28,29	N/A	X,Y	10,12	24,24
	11,12	8,14	N/A	7,8	8,9	15,18
8TQEL7	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
8ULXN8	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
8UUFMX	Identifiler®, PowerPlex® 16 HS, Fusion5C					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
8UXJBN	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
8VAQNC	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

8Z9MA3	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
934B6X	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
972VRU	COfiler® and Profiler Plus®, MiniFiler					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	NA	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
986N2F	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
99R8JM	Identifiler® Plus					
4		16,22		16	11,12	9,11
				11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
99U9QK	PowerPlex® 16 HS					
4				16	11,12	9,11
				11	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
9B43MK	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

9CUJMK	PowerPlex® 16 HS							
		4			16	11,12	9,11	
			14		11	11	17,18	
				28,29	X,Y	10,12	24	
		11,12	8,14	7,8	8,9	15,18		
9EGFEE	Identifiler® Plus							
		4		16,22	16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18			
9F8MBW	Identifiler® , Plus, MiniFiler							
		4		16,22	16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18			
9FTE73	Identifiler®							
		4		16,22	16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18			
9J2QNH	Identifiler® Plus							
		4		16,22	16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29	X,Y	10,12	24	
			7,8	8,9	15,18			
9L3BFH	PowerPlex® Fusion							
		4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18		
9LKU9A	Identifiler® Plus							
		4		16,22	16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29	X,Y	10,12	24,24	
			7,8	8,9	15,18			

TABLE 2

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

9LYXLV	Identifiler®					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
9MDACD	Identifiler® +					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
9PHL6D	Identifiler®, ID+					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
9QTBHX	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
9V9DFA	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
9W3Y9Z	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
9WGX3	PowerPlex® 16 HS					
	4			16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18	

TABLE 2

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

9Y8NBA	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
A8FKV7	Identifiler® Plus	4	-	16,22	-	16,16	11,12	9,11
			14,14	-	-	11,11	11,11	17,18
			13,14	28,29	-	X,Y	10,12	24,24
			-	-	-	7,8	8,9	15,18
A8ZQ4P	Globalfiler	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
A9ARBH	Identifiler® Plus	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
AA3PEH	Identifiler® Plus	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
AA8XUX	PowerPlex® 16 HS	4	-	-	-	16	11,12	9,11
			14	-	-	11	11	17,18
			-	28,29	-	X,Y	10,12	24
			11,12	8,14	-	7,8	8,9	15,18
ACAHKX	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18

TABLE 2

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

AD6MPB	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ADLEP3	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ADPD7B	GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18
AEKV8C	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
AFNM37	PowerPlex® HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
AJUYA8	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
AK3RN2	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

AKL78P	GlobalFiler	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
AM8HW2	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
AMPHRQ	PowerPlex® 16	4	N/A	N/A	N/A	16,16	11,12	9,11
			14,14	N/A	N/A	11,11	11,11	17,18
			N/A	28,29	N/A	X,Y	10,12	24,24
			11,12	8,14	N/A	7,8	8,9	15,18
AQ9U3V	PowerPlex® 16 HS	4				16	11,12	9,11
			14			11	11	17,18
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
AQPAV3	Globalfiler	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
					19,20	7,8	8,9	15,18
AXDTF7	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
AXRBHB	Identifiler® Plus, MiniFiler	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18

TABLE 2

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

AZYF4C	Identifiler® Plus	4	16,22		16,16	11,12	9,11
			14,14		11,11	11,11	17,18
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18
B2CGHY	PowerPlex® HS	4			16,16	11,12	9,11
			14,14		11,11	11,11	17,18
				28,29	X,Y	10,12	24,24
			11,12	8,14	7,8	8,9	15,18
B6PD79	Identifiler® Plus	4	16,22		16	11,12	9,11
			14		11	11	17,18
			13,14	28,29	X,Y	10,12	24
					7,8	8,9	15,18
B72FT3	Identifiler® Plus	4	16,22		16,16	11,12	9,11
			14,14		11,11	11,11	17,18
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18
B7XV6Y	Identifiler®	4	16,22		16	11,12	9,11
			14		11	11	17,18
			13,14	28,29	X,Y	10,12	24
					7,8	8,9	15,18
B8R7R7	Identifiler® Plus	4	16,22		16,16	11,12	9,11
			14,14		11,11	11,11	17,18
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18
BAKX6X	Identifiler® Plus	4	16,22		16,16	11,12	9,11
			14,14		11,11	11,11	17,18
			13,14	28,29	X,Y	10,12	24,24
					7,8	8,9	15,18

TABLE 2

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

BBU8TP	PowerPlex® 16 HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29	X,Y	10,12	24	
			11,12	8,14	7,8	8,9	15,18	
BDEG7Q	PowerPlex® 16	4	NA	NA	NA	16,16	11,12	9,11
			14,14	NA	NA	11,11	11,11	17,18
			NA	28,29	NA	X,Y	10,12	24,24
			11,12	8,14	NA	7,8	8,9	15,18
BET3FR	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
BGGXFK	GlobalFiler	4	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18
BJPYMC	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
BM6D9X	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
BNGC47	Identifiler® Plus	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18

TABLE 2

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

BPFBNZ	Globalfiler						
	4	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17,3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
BPVU7C	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
BRWEYX	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
C4PXD4	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
C6HZUQ	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
C6TWUC	Identifiler®						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
C8NGBV	PowerPlex® 16						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

C9KH4K	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
C9KH77	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
CAE4YX	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
CAYZAC	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
CBUHBD	Identifiler®, GlobalFiler					
4		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
		-	-	19,20	7,8	8,9
CEPAJA	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
CFKWTT	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

CGJVC2	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
CGXBG3	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
CHBBPD	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
CHTUJ4	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
CLPD83	Identifiler® Plus						
	4	-	16,22	-	16	11,12	9,11
		14	-	-	11	11	17,18
		13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18	
CM2R24	Identifiler® Identifiler Plus kit						
	4	-	16,22	-	16	11,12	9,11
		14	-	-	11	11	17,18
		13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18	
CNZC6B	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

CPP7JL	PowerPlex® Fusion						
	4	---	---	---	---	---	
		---	---	---	---	---	
		---	---	---	---	---	
CQFMGZ	Identifiler® Plus						
	4	-	16,22	-	16	11,12	9,11
		14	-	-	11	11	17,18
		13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18	
CQJFN2	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
D22PFR	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
D38282	PowerPlex® HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
D7CPPD	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
DACZHR	Identifiler® Identifiler Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

DATL2N	Identifiler® Plus					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
DEPKYD	PowerPlex® 21					
4	15,15	16,22		16,16	11,12	9,11
	14,14		17.3,20	11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
DF4VTC	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
DQ2YW7	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
DRR7UN	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
DVTMGD	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
DW2UJ7	GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18

TABLE 2

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

DXZB6W	Identifiler®					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
DYC3YX	Identifiler® Plus					
	4	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
DYR2YW	Identifiler®					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
DZN2U8	Identifiler® Plus, MiniFiler					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
E2BF3W	Identifiler® Plus					
	4	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
E7NF39	Identifiler® Plus, MiniFiler					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
ECYM28	Identifiler® Plus, MiniFiler					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	

TABLE 2

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

EDM8JW	PowerPlex® 16, HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
EEY6VT	Identifiler® Plus	4		16,22	16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
EHZHN8	Identifiler® Plus	4		16,22	16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
EJCHK2	Identifiler® Plus	4	-	16,22	-	16,16	11,12	9,11
			14,14	-	-	11,11	11,11	17,18
			13,14	28,29	-	X,Y	10,12	24,24
			-	-	-	7,8	8,9	15,18
ELQWUB	Identifiler® Plus	4		16,22	16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	19,28		X,Y	10,12	24,24
						7,8	8,9	15,18
EQJ6WV	PowerPlex® 16 HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
ET2EY2	Identifiler® Plus	4	NA	16,22	NA	16,16	11,12	9,11
			14,14	NA	NA	11,11	11,11	17,18
			13,14	28,29	NA	X,Y	10,12	24,24
			NA	NA	NA	7,8	8,9	15,18

TABLE 2

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

ETMJ72	Identifiler® Plus					
4	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18
ETVTUT	Identifiler® ID28					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
EW8PZC	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
EXB48W	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
EZ3JXD	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
EZ3LMG	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
EZMBU4	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

F38QFW	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
F4DT4V	PowerPlex® ESI-17Fast, ESX-17Fast						
	4	15	16,22	11,14	16		
		14	12,13	17.3,20		11	17,18
		13,14	28,29	14,15	X,Y		24
			19,20	7,8		15,18	
F4HHJ7	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
F6RR8W	PowerPlex® PP16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
F73HL8	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
F78YJ7	Identifiler®						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
F9Q34W	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

FAMQVN	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
FFR7HV	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
FG7QB7	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
FHZB9D	Identifiler® ID Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
FLFTBF	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
FLFTD2	Identifiler® Plus					
4	no profile	16,22	no profile	16,16	11,12	9,11
		14,14	no profile	no profile	11,11	17,18
		13,14	28,29	no profile	X,Y	10,12
		no profile	no profile	no profile	7,8	8,9
FM72BJ	GlobalFiler					
4		15,15	16,22	11,14	16,16	11,12
		14,14	12,13	17.3,20	11,11	11,11
		13,14	28,29	14,15	X,Y	10,12
				19,20	7,8	8,9
						15,18

TABLE 2

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

FMBV66	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FMCAND	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FRPWDB	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FRRUH6	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FTH3H9	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FU8FX7	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
FXR6HH	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

FY78DC	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
FZX6PP	Identifiler® 1510189						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
GA4VXY	Identifiler® Plus						
	4	N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18	
GAZPHK	PowerPlex® 16						
	4	N/A	N/A	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		N/A	28,29	N/A	X,Y	10,12	24,24
	11,12	8,14	N/A	7,8	8,9	15,18	
GDG8LM	PowerPlex® Fusion, MiniFiler						
	4	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18	
GK4G96	Identifiler® Plus, MiniFiler						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
GKJPAP	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	

TABLE 2

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

GKZXZ8	Identifiler®	4	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
GM6YAZ	Identifiler® +, MiniFiler	4	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
GQ9WH8	Identifiler® Plus	4	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
GUQJ77	PowerPlex® 16	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29		X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
GYZC8C	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
H6KRAN	COfiler® and Profiler Plus®, MiniFiler	4	NA	16,22	NA	16	11,12	9,11
			14	NA	NA	11	11	17,18
			NA	28,29	NA	X,Y	10,12	24
			NA	NA	NA	7,8	8,9	15,18
H8RF3D	GLOBALFILER	4	15,15	16,22	11,14	16,16	11,12	9,11
			14,14	12,13	17.3,20	11,11	11,11	17,18
			13,14	28,29	14,15	X,Y	10,12	24,24
					19,20	7,8	8,9	15,18

TABLE 2

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

H9MX4E	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
HBQANF	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
HC3PTL	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
HEAHX2	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
HER2RR	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
HFFZWW	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
HJQ7UC	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

HLBZNR	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
HLT2EZ	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
HMGMP	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
HNC7YR	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
HNWGN7	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
HQH3GU	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
HQKD7Q	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

HRVD9C	PowerPlex® 16 HS						
	4	-	-	-	16	11,12	9,11
		14	-	-	11	11	17,18
		-	28,29	-	X,Y	10,12	24
		11,12	8,14	-	7,8	8,9	15,18
HWQ3R6	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18
HZ8ELZ	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18
J4283V	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18
J4HJK2	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18
J4Z3DR	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
J7E6P7	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18

TABLE 2

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

J7T4TB	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
JC332Z	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
JFY7VM	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
JHMM6V	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
JKQBM7	PowerPlex® FUSION					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
JLPG7K	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
JXWYQE	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

K2UG4E	Identifiler®, PowerPlex® ESI 16, NGM					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
				7,8	8,9	15,18
K3R2FY	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
K4H9DG	PowerPlex® 16 HS					
4	-	-	-	16	11,12	9,11
	14	-	-	11	11	17,18
	-	28,29	-	X,Y	10,12	24
	11,12	8,14	-	7,8	8,9	15,18
K788HM	Identifiler®					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
K7M9KN	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
K7RZY6	Identifiler®					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
KBHV3W	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

KCW9VY	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
KDTBYH	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
KEXQWV	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
KFDUQM	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
KKP7Y2	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
KL332L	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
KNPE3C	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

KT7W9Z	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
KTHHUV	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
KWLA3V	Identifiler® Plus					
4	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	NA	N/A	7,8	8,9	15,18
KWZQ72	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
KXGXD4	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
KY97D8	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
KZ69FQ	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

KZYX3D	PowerPlex® 16						
	4	NA	NA	NA	16,16	11,12	9,11
		14,14	NA	NA	11,11	11,11	17,18
		NA	28,29	NA	X,Y	10,12	24,24
		11,12	8,14	NA	7,8	8,9	15,18
L7HEEN	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
L7QMQ3	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
L8YVP2	PowerPlex® 16						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
L99B63	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
LB2PTX	Identifiler® Plus, MiniFiler						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
LBX8K2	PowerPlex® 16						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18

TABLE 2

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

LCRXQF	Identifiler® Plus	4	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
LE3QUV	Identifiler® Plus	4	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
LJ8BH8	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
LJAGW2	Identifiler® Plus	4	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	
LJD2LP	Identifiler® Plus	4	16,22		16	11,12	9,11	
			14		11	11	17,18	
			13,14	28,29		X,Y	10,12	24
					7,8	8,9	15,18	
LKLMK	PowerPlex® Fusion, HS	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
LKM3HW	Identifiler® Plus	4	16,22		16,16	11,12	9,11	
			14,14		11,11	11,11	17,18	
			13,14	28,29		X,Y	10,12	24,24
					7,8	8,9	15,18	

TABLE 2

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

LMEUWM	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LQAT4R	GlobalFiler					
4		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
			19,20	7,8	8,9	15,18
LUNVZH	Identifiler® Plus					
4		16,22	-	16	11,12	9,11
		14	-	11	11	17,18
		13,14	28,29	-	X,Y	24
		-	-	-	7,8	15,18
LUQDQ8	Identifiler®					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
LV3K4V	Identifiler® Plus					
4		16,22	NA	16,16	11,12	9,11
		14,14	NA	11,11	11,11	17,18
		13,14	28,29	NA	X,Y	24,24
		NA	NA	NA	7,8	15,18
LWVDYD	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M2PYFL	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

M68RHU	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
M69623	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M6JNNY	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M6PBCL	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M7KTDM	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
M7XHGY	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
MAEEUB	Identifiler®, MiniFiler					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

MBW9W7	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
MCN89J	Identifiler® Plus, PowerPlex® 16 HS						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
MCQDQJ	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
MCRBX9	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
MDMQA7	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
MFNB3R	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
MGXKQH	PowerPlex® 16						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	

TABLE 2

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

MKXWLH	PowerPlex® 16					
	4			16	11,12	9,11
		14		11	11	17,18 ^
			28,29	X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18	
MLTENJ	COfiler® and Profiler Plus®, MiniFiler					
	4	NA	16,22	NA	16	11,12
		14	NA	NA	11	17,18
		NA	28,29	NA	X,Y	24
	NA	NA	NA	7,8	8,9	15,18
MM446A	PowerPlex® 16 HS					
	4			16,16	11,12	9,11
		14,14		11,11	11,11	17,18
			28,29	X,Y	10,12	24,24
	11,12	8,14	7,8	8,9	15,18	
MQ3HQE	Identifiler® Plus, PowerPlex® HS					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18	
MQ6N7U	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
MQKAFV	Identifiler® Plus, MiniFiler					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
MRYX3B	Identifiler® Plus					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	

TABLE 2

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

MUP8YX	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
MWPHRD	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
MX8T66	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
MY2EXW	Identifiler® Plus					
4	NA	16,22	NA	16,16	11,12	9,11
	14,14	NA	NA	11,11	11,11	17,18
	13,14	28,29	NA	X,Y	10,12	24,24
	NA	NA	NA	7,8	8,9	15,18
MY6YNK	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
MYZQ96	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
MZDUT4	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

N4PMB2	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
N4UXEK	PowerPlex® HS						
	4				16,16	11,12	9,11
		14,14			11,11	11,11	17,18
			28,29		X,Y	10,12	24,24
		11,12	8,14		7,8	8,9	15,18
N7XCPQ	Identifiler® Identifiler Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
N89CJZ	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
N8Q3U6	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
NAHKAQ	Identifiler® Plus						
	4	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18
		13,14	28,29	-	X,Y	10,12	24,24
				7,8	8,9	15,18	
NEDE67	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18

TABLE 2

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

NGY79W	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
NHA8V	Identifiler® IdentifilerPlus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
NHRANP	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
NLUWE8	Globalfiler						
	4	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
NM74RV	PowerPlex® FUSION						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
				7,8	8,9	15,18	
NP6AW7	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
NPAHCL	PowerPlex® 16 HS						
	4				16,16	11,12	9,11
		14,14			11,11	11,11	17,18
			28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

NQNQEU	Identifiler® Plus					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
NRFKZK	Identifiler® Plus, MiniFiler					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
NTAQFV	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
NV8XC8	Identifiler® Identifiler Plus					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
NVBB7V	Identifiler® Plus					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
NVTUZZ	PowerPlex® HS					
	4			16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18	
NW6LUN	Identifiler® Plus					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	

TABLE 2

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

NXLDUF	Identifiler® Plus, MiniFiler						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
NZRY38	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
P2JYHC	Identifiler®						
	4	N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18	
P2ZM2W	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
P3CDXU	Identifiler® Plus, MiniFiler						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
P4PXP	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	
P888VV	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18	

TABLE 2

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

P92X2B	GlobalFiler						
	4	15,15	16,22	11,14	16,16	11,12	9,11
		14,14	12,13	17.3,20	11,11	11,11	17,18
		13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18	
P9696U	Identifiler®						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
P9G6BY	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
PAC86N	Identifiler® Plus						
	4	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18
		13,14	28,29	-	X,Y	10,12	24,24
				7,8	8,9	15,18	
PB8P7P	Identifiler® Plus						
	4	-	16,22	-	16,16	11,12	9,11
		14,14	-	-	11,11	11,11	17,18
		13,14	28,29	-	X,Y	10,12	24,24
				7,8	8,9	15,18	
PC2FBJ	Identifiler®						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
PDE86K	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	

TABLE 2

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

PJUXGE	COfiler® and Profiler Plus® Profiler Plus					
4				16,16	11,12	9,11
	14,14			11,11		17,18
		28,29				24,24
						15,18
PK8H9N	Identifiler® Identifiler Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
PRT7WK	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
PTPAZT	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
PVPMBY	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
PVU7Y3	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
PXK276	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

Q2FQTP	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
Q2TTNG	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
Q3LGTD	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
Q9ZBAN	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
QAQH87	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QB3R9Y	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
QBYEEB	Identifiler® Plus, Identifiler, PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

QG7VWC	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QGMD8Q	Identifiler® Plus, MiniFiler					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
QGPHVU	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QH2EYD	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QKTUNU	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QMBG29	Sure ID					
4		15,15	16,22	16,16	11,12	9,11
		14,14	17.3,20	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
QMDVJF	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

QPGQ3J	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
QQRZ4C	Identifiler® Plus					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	13,14	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
QR9NNW	PowerPlex® 21					
4	15,15	16,22		16,16	11,12	9,11
	14,14		17.3,20	11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
QT47PX	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
QTGWLV	Identifiler® Plus					
4		16,22		[14 [^] **],16	11,12	9,11
	14			[INC [^]],11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
QTKGBJ	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
QXEART	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

QY6GPB	PowerPlex® 16 HS	4			16	11,12	9,11	
			14		11	11	17,18	
				28,29	X,Y	10,12	24	
			11,12	8,14	7,8	8,9	15,18	
QZLNYY	Identifiler®	4	-	16,22	-	16,16	11,12	9,11
			14,14	-	-	11,11	11,11	17,18
			13,14	28,29	-	X,Y	10,12	24,24
			-	-	-	7,8	8,9	15,18
R4W4XP	Identifiler® Plus	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
R68HEQ	Identifiler® Plus	4		16,22		16,16	11,12	9,11
			14,14			11,11	11,11	17,18
			13,14	28,29		X,Y	10,12	24,24
						7,8	8,9	15,18
R6QU46	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18
R7PCCF	Identifiler® Plus	4		16,22		16	11,12	9,11
			14			11	11	17,18
			13,14	28,29		X,Y	10,12	24
						7,8	8,9	15,18
R8EM49	PowerPlex® Fusion	4	15	16,22	11,14	16	11,12	9,11
			14	12,13	17.3,20	11	11	17,18
			13,14	28,29	14,15	X,Y	10,12	24
			11,12	8,14		7,8	8,9	15,18

TABLE 2

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

R8WETP	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
R9RXVQ	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
RB2X3J	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RBWX6J	PowerPlex® Fusion					
4		16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	17,18
		13,14	28,29	14,15	X,Y	24
		11,12	8,14	7,8	8,9	15,18
RGHVRL	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
RHEB4H	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RHGEUT	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

RM8ZDF	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
RMWUFE	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RN2386	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RR3UBG	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
RTU8ZA	PowerPlex® 16					
4	N/A	N/A	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	N/A	28,29	N/A	X,Y	10,12	24,24
	11,12	8,14	N/A	7,8	8,9	15,18
RUYYP	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
RY4UXP	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

RYY4JA	Identifiler® Plus, PowerPlex® 16 HS					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
RYYLJB	PowerPlex® 16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
RYZJT7	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
RZGGL7	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
RZV3V8	Globalfiler					
4	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
T4FLMC	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
T7JG9Z	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

T8BFKD	Identifiler® Plus, PowerPlex® 16 HS					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
T9LEG8	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
TALYHU	Identifiler® Identifiler Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
TCMJBF	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
TCR7Y2	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
TF8N6P	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
TGKAQK	GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	-	-	19,20	7,8	8,9	15,18

TABLE 2

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

TJ6P8L	Identifiler® Plus						
	4	NT	16,22	NT	16,16	11,12	9,11
		14,14	NT	NT	11,11	11,11	17,18
		13,14	28,29	NT	X,Y	10,12	24,24
		NT	NT	NT	7,8	8,9	15,18
TJNZYK	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
TKJPAT	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
TLEHYK	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
TQNKXA	PowerPlex® 16 HS						
	4				16	11,12	9,11
		14			11	11	17,18
			28,29		X,Y	10,12	24
		11,12	8,14		7,8	8,9	15,18
TTY9UT	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
TUPZGD	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	

TABLE 2

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

TWYL7K	Identifiler® Plus					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
TXJ7RA	Identifiler®					
	4	16,22	-	16	11,12	9,11
		14	-	11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
TY3GQM	Identifiler® Plus					
	4	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
TYJMYL	PowerPlex® 16 HS					
	4			16	11,12	9,11
				11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14	7,8	8,9	15,18	
TZYX3K	Identifiler® Plus					
	4	16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
U3VKXE	Identifiler® Plus					
	4	16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
U4CGPE	Identifiler®, PowerPlex® ESI17 Pro, NGM SElect					
	4	15	16,22	11,14	16	11,12
		14	12,13	17.3,20	11	11
		13,14	28,29	14,15	X,Y	10,12
			19,20	7,8	8,9	
					15,18	

TABLE 2

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

U4Q3YG	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
U7FTHE						
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
U7TBCJ	PowerPlex® PP16 HS					
4				16	11,12	9,11
	14			11	11	17,18
		28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
UF389X	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
UFZPY2	PowerPlex® Fusion System, NGM Select					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14	19,20	7,8	8,9	15,18
UGV4V7	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
UHQMW8	Identifiler®					
4	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18

TABLE 2

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

UHR6MW	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
UJ4BZK	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
UK3THU	PowerPlex® 21					
4		15,15	16,22	16,16	11,12	9,11
		14,14	17.3,20	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
UMMYMH	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
UQ44G8	PowerPlex® 16 HS					
4				16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
UTMP22	PowerPlex® HS					
4				16,16	11,12	9,11
		14,14		11,11	11,11	17,18
			28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
UTTENR	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

UVEXZ6	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
UYUZ6U	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
UYZYGQ	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
UZPY69	COfiler® and Profiler Plus®, MiniFiler					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	NA	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
V48JRN	PowerPlex® ESI 17 PRO & ESX 17					
4	15	16,22	11,14	16		
	14	12,13	17,3,20		11	17,18
	13,14	28,29	14,15	X,Y		24
			19,20	7,8		15,18
V6ZCM8	COfiler® and Profiler Plus®, MiniFiler					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	NA	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
V6ZW6L	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

V86XED	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
V9YNJ8	COfiler® and Profiler Plus®, MiniFiler					
4	NA	16,22	NA	16	11,12	9,11
	14	NA	NA	11	11	17,18
	NA	28,29	NA	X,Y	10,12	24
	NA	NA	NA	7,8	8,9	15,18
VCH2KZ	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
VDDUAR	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
VEPGWD	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
VERBDX	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
VGTE3Y	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

VJ2FAR	Identifiler®, PowerPlex®, MiniFiler					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
VJH6BD	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VLAK2U	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VP8YNK	Identifiler® Plus					
4	-	16,22	-	16,16	11,12	9,11
	14,14	-	-	11,11	11,11	17,18
	13,14	28,29	-	X,Y	10,12	24,24
	-	-	-	7,8	8,9	15,18
VT9HFK	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
VTLFKN	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
VUFZDF	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

VUZADN	Identifiler® Plus, MiniFiler					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
W6FCJM	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
W88LDN	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
W8ZZGM	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,[29]		X,Y	10,12	24
				7,8	8,9	15,18
WAM8RN	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
WD9WC2	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
WDMP4H	Identifiler® Plus					
4	n/a	16,22	n/a	16,16	11,12	9,11
	14,14	n/a	n/a	11,11	11,11	17,18
	13,14	28,29	n/a	X,Y	10,12	24,24
	n/a	n/a	n/a	7,8	8,9	15,18

TABLE 2

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

WEFRK7	Identifiler®					
4	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18
WFRF7R	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
WGQ2WH	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
WJC8HU	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
WRNUJN	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
	14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
WUEM7D	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
WUY4LF	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

WXAG4E	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
WXC9VV	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
WXEY2D	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
X4CFZ3	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
X4DBJ9	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
X6RARJ	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
X9AA6E	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

XD646Z	Identifiler®						
	4	N/A	16,22	N/A	16,16	11,12	9,11
		14,14	N/A	N/A	11,11	11,11	17,18
		13,14	28,29	N/A	X,Y	10,12	24,24
		N/A	N/A	N/A	7,8	8,9	15,18
XDLKFE	Identifiler® Plus						
	4		16,22		16,16	11,12	9,11
		14,14			11,11	11,11	17,18
		13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18	
XECHC7	COfiler® and Profiler Plus®, MiniFiler						
	4	NA	16,22	NA	16	11,12	9,11
		14	NA	NA	11	11	17,18
		NA	28,29	NA	X,Y	10,12	24
		NA	NA	NA	7,8	8,9	15,18
XFR3EA	Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	
XHWV7M	Identifiler® Plus, MiniFiler						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
XJRE8N	Identifiler® Plus						
	4		16,22		16	11,12	9,11
		14			11	11	17,18
		13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18	
XKLE2	PowerPlex® Fusion						
	4	15	16,22	11,14	16	11,12	9,11
		14	12,13	17.3,20	11	11	17,18
		13,14	28,29	14,15	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18	

TABLE 2

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

XLT2L8	Identifiler® Plus, PowerPlex® HS					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
XPE4UJ	Identifiler® Plus, MiniFiler					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
XQRPNF	PowerPlex® HS					
4				16,16	11,12	9,11
	14,14			11,11	11,11	17,18
		28,29		X,Y	10,12	24,24
	11,12	8,14		7,8	8,9	15,18
XV337D	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XV3NXZ	Identifiler®					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XWJW8N	Identifiler® Plus, MiniFiler					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
XX8GPD	GlobalFiler					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
			19,20	7,8	8,9	15,18

TABLE 2

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

XZFY2B	Identifiler®					
	4		16,22	16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
			7,8	8,9	15,18	
Y49MT2	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
Y6P64F	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
Y7F3Z8	PowerPlex® 16					
	4			16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
Y7XXKU	Identifiler® Plus					
	4		16,22	16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
			7,8	8,9	15,18	
Y8Y7B8	PowerPlex® 16 HS					
	4			16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
YC7WDD	PowerPlex® 16 Hot Start					
	4			16,16	11,12	9,11
		14,14		11,11	11,11	17,18
			28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18

TABLE 2

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

YDHHY9	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YFBEKL	PowerPlex® ESX16 Fast					
4		16,22	11,14	16		
		14	12,13		11	17,18
		13,14	28,29	14,15	X,Y	24
				7,8		15,18
YFM989	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
YGVYWY	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
YGZQBE	Identifiler® Plus					
4		16,22	-	16,16	11,12	9,11
		14,14	-	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		-	-	7,8	8,9	15,18
YJLWU6	PowerPlex® 21					
4		16,22		16,16	11,12	9,11
		14,14	17.3,20	11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
		11,12	8,14	7,8	8,9	15,18
YLCPJY	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

YMRZKD	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YPC2DE	PowerPlex® 16 HS					
4				16	11,12	9,11
				11	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
YQN9P3	Identifiler®					
4	N/A	16,22	N/A	16,16	11,12	9,11
	14,14	N/A	N/A	11,11	11,11	17,18
	13,14	28,29	N/A	X,Y	10,12	24,24
	N/A	N/A	N/A	7,8	8,9	15,18
YTQ4A6	Identifiler® Plus					
4	-	16,22	-	16	11,12	9,11
	14	-	-	11	11	17,18
	13,14	28,29	-	X,Y	10,12	24
	-	-	-	7,8	8,9	15,18
YVXBRX	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
YZVB7E	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
Z4RJL9	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

Z7J7QH	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
Z9LKZN						
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZAE7FD	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
ZBQFH7	Identifiler® Plus					
4	N/A	16,22	N/A	16	11,12	9,11
	14	N/A	N/A	11	11	17,18
	13,14	28,29	N/A	X,Y	10,12	24
	N/A	N/A	N/A	7,8	8,9	15,18
ZC2FGL	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZDFA8Z	PowerPlex® 16 HS					
4				16	11,12	9,11
				14	11	17,18
		28,29		X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
ZF3J99	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

ZFZJK2	PowerPlex® Fusion					
4	15	16,22	11,14	16	11,12	9,11
	14	12,13	17.3,20	11	11	17,18
	13,14	28,29	14,15	X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18
ZG2ZQH	Identifiler® Plus					
4		16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
				7,8	8,9	15,18
ZKFPX9	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ZM2BQV	GlobalFiler					
4	15,15	16,22	11,14	16,16	11,12	9,11
	14,14	12,13	17.3,20	11,11	11,11	17,18
	13,14	28,29	14,15	X,Y	10,12	24,24
			19,20	7,8	8,9	15,18
ZNXBTV	PowerPlex® ESI 16					
4	15	16,22	11,14	16	/	/
	14	12,13	17.3,20	/	11	17,18
	13,14	28,29	14,15	X,Y	/	24
	/	/	/	7,8	/	15,18
ZPPPE6	Identifiler®					
4		16,22		16,16	11,12	9,11
	14,14			11,11	11,11	17,18
	13,14	28,29		X,Y	10,12	24,24
				7,8	8,9	15,18
ZRC69T	PowerPlex® PP21					
4	15	16,22		16	11,12	9,11
	14			11	11	17,18
	13,14	28,29		X,Y	10,12	24
	11,12	8,14		7,8	8,9	15,18

TABLE 2

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

ZRYNWT	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZRYVUE	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZTTLZU	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZTXF9	PowerPlex® 16 HS					
4		-	-	16	11,12	9,11
		14	-	11	11	17,18
		-	28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
ZVHU8A	Identifiler®					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZVX7PE	Identifiler® Plus					
4		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
ZVYYRT	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18

TABLE 2

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

ZWRWWT	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZWW6B9	PowerPlex® 16 HS					
4		NA	NA	NA	16	11,12
		14	NA	NA	11	11
		NA	28,29	NA	X,Y	10,12
		11,12	8,14	NA	7,8	8,9
ZXZC3Z	PowerPlex® 16 HS					
4				16	11,12	9,11
		14		11	11	17,18
			28,29	X,Y	10,12	24
		11,12	8,14	7,8	8,9	15,18
ZY2ZRQ	Identifiler® Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZYCJFN	Identifiler® ID Plus					
4		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
ZYYP29	PowerPlex® ES116					
4		15	16,22	11,14	16	
		14	12,13	17,3,20		11
		13,14	28,29	14,15	X,Y	24
				7,8		15,18

TABLE 2

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

Item 4e - STR Results

3Z2D64	Identifiler® Plus					
4e		16,22		16,16	11,12	
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y		24,24
				7,8	8,9	15,18
9U4YEG	Identifiler® Plus					
4e		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
A2BE33	Identifiler®					
4e		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
D2YGB9	Identifiler® Plus					
4e		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18
FTWEC8	Identifiler® Plus					
4e		16,22		16	11,12	9,11
		14		11	11	17,18
		13,14	28,29	X,Y	10,12	24
				7,8	8,9	15,18
WVTR2Q	Identifiler® Plus					
4e		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

TABLE 2

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

Item 4sp - STR Results

3Z2D64	Identifiler® Plus					
4sp		16,22		16,16	11,12	9,11
		14,14		11,11	11,11	17,18
		13,14	28,29	X,Y	10,12	24,24
				7,8	8,9	15,18

9U4YEG	Identifiler® Plus					
4sp						

A2BE33	Identifiler®					
4sp		ND		ND	ND	ND
		ND		ND	ND	ND
		ND	ND	ND	ND	
				ND	ND	ND

D2YGB9	Identifiler® Plus					
4sp						

FTWEC8	Identifiler® Plus					
4sp		NR		16 ^	NR	NR
		NR		NR	NR	NR
		NR	NR	NR	NR	NR
				NR	NR	NR

WVTR2Q	Identifiler® Plus					
4sp						

Amplification Kit(s) & YSTR Results

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

22XJW	PowerPlex® Y PPY23	1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
			No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
			No Results	No Results	No Results	No Results	No Results	No Results	No Results	
24AF2E	Fusion DYS391 only	1					NR			
2RQMAD	Yfiler®	1	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
2XWJTD	Yfiler®	1	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
42MEMW	PowerPlex® Y 23	1	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
4D6H7U	GlobalFiler Express	1								
6BAQHA	Yfiler®	1	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
6VY8QA	Yfiler®	1	No results	No results	No results	No results	No results	No results	No results	No results
			No results	No results	No results	No results	No results	No results		
						No results		No results		
7F4799	Yfiler®	1	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

7F7DQ9	Fusion DYS391 only								
	1						NR		
[Redacted]									
7GBN74	Yfiler®								
	1	--	--	--	--	--	--	--	--
[Redacted]									
7KV2ZK	Yfiler®								
	1								
[Redacted]									
7X394R	PowerPlex Fusion								
	1	-	-	-	-	-	0	-	-
[Redacted]									
8FFQMG	PowerPlex® Y Y23								
	1	NR	NR	NR	NR	NR	NR	NR	NR
[Redacted]									
		NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NT	
934B6X	Yfiler®								
	1	NR	NR, NR	NR	NR	NR	NR	NR	NR
[Redacted]									
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
986N2F	PowerPlex® Y 23								
	1	NR	NR	NR	NR	NR	NR	NR	NR
[Redacted]									
		NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
9WGXD3	PowerPlex® Y 23								
	1								
[Redacted]									
A8ZQ4P	Globalfiler express								
	1								
[Redacted]									
AK3RN2	Yfiler®								
	1	-	-	-	-	-	-	-	-
[Redacted]									
		-	-	-	-	-	-	-	-

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

AKL78P	GlobalFiler Express	1								
AQPAV3	Yfiler Plus	1								
		NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
CAYZAC	Yfiler® Plus	1								
		NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
			NR	NR	NR		NR			
CLPD83	Yfiler® -	1								
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
CM2R24	Yfiler®	1								
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
CPP7JL	PowerPlex Fusion	1								
		---	---	---	---	---	0, 0	---	---	
		---	---	---	---	---	---	---	---	
		---	---	---	---	---	---	---	---	
CQFMGZ	Yfiler®	1								
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
D9HGUR	Yfiler®	1								
		NR	NR	NR	NR	NR	NR	NR	NR	
		NR	NR	NR	NR	NR	NR	NR	NR	
					NR		NR			
E2BF3W	Yfiler®	1								
		-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	
EDM8JW	PowerPlex® Y 23	1								

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

EXB48W	Yfiler®	1	-	-	-	-	-	-	-
			-	-	-	-	-	-	-
FM72BJ	GlobalFiler Express	1							
HWQ3R6	Yfiler®	1							
HX6GB8	Yfiler®	1							
JE4NUL	Yfiler®	1	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR
					NR		NR		
JFY7VM	Yfiler®	1	NR	NR, NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR
					NR		NR		
JHMM6V	Yfiler®	1	---	---	---	---	---	---	---
			---	---	---	---	---	---	---
					---		---		---
JLPG7K	Yfiler®	1	NR	NR, NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR
					NR		NR		
LE3QUV	Yfiler®	1							
M6JNNY	Yfiler®	1	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR
					NR		NR		

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

M72363	Yfiler®								
	1								
MAEEUB	Yfiler®								
	1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
		No Results	No Results	No Results	No Results	No Results	No Results		
				No Results		No Results			
MWPHRD	Yfiler®								
	1								
NLUWE8	Globalfiler Express								
	1								
NM74RV	PowerPlex® Y								
	1								
NQZQ94	Yfiler®								
	1								
NRFKZK	Yfiler®								
	1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
				NR		NR			
NXLDUF	Yfiler®								
	1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
				NR		NR			
P4PXP	Fusion DYS391 only								
	1							NR	
P888VV	PowerPlex® Y 23								
	1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

P92X2B	GlobalFiler Express	1								
PAC86N	Yfiler®	1								
		No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
		No Result	No Result	No Result	No Result	No Result	No Result	Not Tested	Not Tested	
		Not Tested	Not Tested	Not Tested	No Result	Not Tested	No Result	Not Tested		
PK8H9N	Yfiler®	1								
		/	/	/	/	/	/	/	/	/
QJRP7	PowerPlex Fusion	1								
		--	--	--	--	--	0	--	--	--
		--	--	--	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--
R8EM49	PowerPlex® Y 23	1								
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
RZV3V8	Globalfiler Express	1								
UB7V3Y	PowerPlex® Y 23	1								
UE67XY	PowerPlex® Y 23	1								
WDMP4H	Yfiler®	1								
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	n/a	n/a	
		n/a	n/a	n/a	NR	n/a	NR	n/a		
WEFRK7	Yfiler®	1								
		NR	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	-	-	
		-	-	-	NR	-	NR	-		

TABLE 3

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	Y Indel	

Item 1 - YSTR Results

WRNUJN	PowerPlex® Y 23								
	1								
XECHC7	Yfiler®								
	1	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA
YGVYWY	Yfiler®								
	1								
YVGEZX	PowerPlex® Fusion								
	1	-	-	-	-	-	0	-	-
		-	-	-	-	-	-	-	-
YZDTVZ	PowerPlex® Y 23								
	1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
		No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
ZM2BQV	GlobalFiler Express								
	1								

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

22XJW	PowerPlex® Y PPY23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
24AF2E	Fusion DYS391 only	2						11		
26XRV	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
2DXP8M	PowerPlex® Y	2	14	14,21	12	28	27	11	11	13
			14	11	11					
2E8XEG	Globalfiler	2						11		
									2	
2H8RAH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
2MWGJU		2						11		
									2	
2QH4BM	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
2RQMAD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
2RY23L	PowerPlex® Y	2	14	14,21	12	28	27	11	11	13
			14	11	11					

TABLE 3

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	Y Indel		
Item 2 - YSTR Results										
2WN7DW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
2WR8DH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
2XHWJB	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
2XWJTD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
34XKCC	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
36CG4H	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3BGDMH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3DAPLA	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3HFPWU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3MWQ2J	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

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3UV3AA	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
42MEMW	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
44WFUN	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
46C7UD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
					25		11			
47ND72	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
4D6H7U	GlobalFiler Express	2						11		
									2	
4JPA39	GlobalFiler	2						11		
										2
63Y8ZG	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
					25		11			
68NDBQ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
					25		11			
6AXJ97	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	
Item 2 - YSTR Results									
6BAQHA	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6FDVKF	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6GGE33	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6KFQX3	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6Q76H4	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6RH6W4	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6RXQ76	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6VY8QA	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
6WTHE3	Yfiler® 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
7233W8	PowerPlex® Y 23 2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		

TABLE 3

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	Y Indel	

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77YM3C	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
78NMQU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
7F4799	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
7F7DQ9	PowerPlex® Y 23, Fusion DYS391 only	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
7GBN74	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7KV2ZK	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7KX2AF	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
7LA9L3	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7NW334	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7NXV6H	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

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7PPBHT	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
7U39PF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7UFBK9	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
7X394R	PowerPlex Fusion	2	-	-	-	-	-	11	-	-
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
84P3LF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
863G84	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
86Z93K	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8FFQMG	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8FXC4T	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8GTU7U	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	

TABLE 3

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	Y Indel	

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8ZJYJ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8LLYY	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8ULXN8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8UUFMX	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8Z9MA3	Yfiler® Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
934B6X	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
972VRU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
986N2F	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
99R8JM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
99U9QK	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

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9EGFEE	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9F8MBW	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9FTE73	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9L3BFH	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9LYXLV	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9MDACD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9QTBHX	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9U4YEG	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9WGX D3	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9Y8NBA	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

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A8ZQ4P	Globalfiler express									
	2						11			
								2		
AA8XUX	PowerPlex® Y 23									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16	25	14	
		14	19	15	25	11	11	-		
AD6MPB	Yfiler®									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11				
AFNM37	PowerPlex® Y 23									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16	25	14	
		14	19	15	25	11	11			
AJU YA8	Yfiler®									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11				
AK3RN2	Yfiler®									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11				
AKL78P	GlobalFiler Express									
	2						11			
								2		
AQPAV3	Yfiler Plus									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11		2		
AXDTF7	Yfiler®									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11				
AXRBHB	Yfiler®									
	2	14	14,21	12	28	27	11	11	13	
		14	11	11	19	15	16			
				25		11				

TABLE 3

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	Y Indel	

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B7XV6Y	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
B8R7R7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BET3FR		2						11		
BJPYMC	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BM6D9X	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BNGC47	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BPFBNZ	Yfiler®, Globalfiler for Y Indel	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	
BPVU7C	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
C6HZUQ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
C6TWUC	PowerPlex® Y	2	14	14,21	12	28	27	11	11	13
			14	11	11					
									2	

TABLE 3

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	Y Indel	

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C9KH4K	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
C9KH77	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CAYZAC	Yfiler® Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
CBUHBD	GlobalFiler	2						11		
									2	
CGJVC2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CGXBG3	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
CHBBPD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CHTUJ4	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
CLPD83	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
CM2R24	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

CPP7JL	PowerPlex® Y Fusion	2	---	---	---	---	---	11,11	---	---
			---	---	---	---	---	---	---	---
			---	---	---	---	---	---	---	---
CQFMGZ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
CQJFN2	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
D2YGB9	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
D38282	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
D7CPPD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
D9HGUR	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DATL2N	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
DEPKYD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DQ2YW7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

DRR7UN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DW2UJ7	GlobalFiler	2						11		
									2	
DXZB6W	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DYR2YW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DZN2U8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
E2BF3W	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
E7NF39	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ECYM28	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
EDM8JW	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
EEY6VT	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

EHZHN8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ELQWUB	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
EQF26K	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ETVTUT	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
EXB48W	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
F38QFW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
F4DT4V	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
F4Z4ZH	PowerPlex® Y PPY23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
F6RR8W	PowerPlex® Y PPY23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
F73HL8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

F9Q34W	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
FAMQVN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FFR7HV	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FLFTD2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	no profile	no profile
			no profile	no profile	no profile	25	no profile	11	no profile	
FM72BJ	GlobalFiler Express	2						11		
									2	
FMBV66	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FRPWDB	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FRRUH6	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FTWEC8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FXR6HH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

FY78DC	STR Amp Kit PowerPlex Fusion								
	2						11		
[Redacted]									
FZX6PP	Yfiler® 1509102								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
GDG8LM	PowerPlex® Y 23								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
GK4G96	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
GKJPAP	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
GQ9WH8	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
GYZC8C									
	2						11		
[Redacted]									
H2F93F									
	2	-	-	-	-	-	11	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
H6KRAN	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	NA	NA
		NA	NA	NA	25	NA	11	NA	
H9MX4E									
	2						11		
[Redacted]									

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

HBQANF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HEAHX2	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
HJQ7UC	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
HLT2EZ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HMGMXP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HNC7YR	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HNWGN7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HQH3GU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HWQ3R6	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HX6GB8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

HZ8ELZ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
J4283V	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
J4HJK2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
J4Z3DR	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
J7T4TB	PowerPlex Fusion	2						11		
JE4NUL	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JFY7VM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JHMM6V	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JLPG7K	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JXWYQE	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

K2UG4E	Yfiler®, PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
K4H9DG	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11	-	
K788HM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
K7M9KN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
K7RZY6	PowerPlex® Y, Y Indel from Globalfiler	2	14	14,21	12	28	27	11	11	13
			14	11	11					
									2	
KBHV3W	Yfiler®	2	14	14,20,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KFDUQM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KNPE3C		2						11		
									2	
KT7W9Z	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KTHHUV	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

KXGXD4	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
L7HEEN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
L7QMQ3	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
L99B63	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LB2PTX	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LCRXQF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LE3QUV	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LJ8BH8	Fusion	2						11		
LJAGW2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LJD2LP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

LKLMAK	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
LKM3HW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LQAT4R	Yfiler Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	
LUNVZH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
LWVDYD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
M6JNNY	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
M6PBCL	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
M72363	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MAEEUB	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MCN89J	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

MCQDQJ	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
MLTENJ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
MQKAFV	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
MRX3B	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MUP8YX	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MWPHRD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MY2EXW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
MZDUT4	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
N4PMB2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
N89CJZ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

NGY79W	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NHRANP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NLUWE8	Globalfiler Express	2						11		
									2	
NM74RV	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
NQNQEU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NQZQ94	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NRFKZK	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NV8XC8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NVBB7V	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NVTUZL	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel		
Item 2 - YSTR Results										
NW6LUN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NXLDUF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
P2JYHC	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
P2ZM2W	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
P3CDXU	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
P4XP RP	Fusion DYS391 only	2						11		
P888VV	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
P92X2B	GlobalFiler Express	2						11		
										2
P9G6BY	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
PAC86N	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	

TABLE 3

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	Y Indel		
Item 2 - YSTR Results										
PC2FBJ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
PK8H9N	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Q2FQTP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Q3LGTD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QBYEEB	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	INC		
QG7VWC	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QGMD8Q	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QGPHVU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QH2EYD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QJRPP7	PowerPlex Fusion	2	--	--	--	--	--	11	--	--
			--	--	--	--	--	--	--	--
			--	--	--	--	--	--	--	--

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

QKTUNU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QMBG29	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QQRZ4C	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
QR9NNW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QT47PX	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
QTGWLV	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R4W4XP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R7PCCF	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R8EM49	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
R8WETP	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

RB2X3J	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RHEB4H	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RHGEUT	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RN2386	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RYZJT7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RZV3V8	Globalfiler Express	2						11		
									2	
T4FLMC	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
T7JG9Z	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
T8BFKD	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
T9LEG8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

TALYHU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TCR7Y2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TGKAQK	Yfiler® Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			-	19	15	25	-	11	2	
TJNZYK	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TKJPAT	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TTY9UT	Yfiler® Yfiler	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TWYL7K	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TXJ7RA	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
TY3GQM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TYJMYL	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

TZYX3K	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
U4CGPE	Yfiler® Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
UB7V3Y	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UE67XY	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UFZPY2	PowerPlex® Y 23 System	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UGV4V7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UHR6MW	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UKX6V3	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UMMYMH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UQ44G8	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

UYZYGQ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UZPY69	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
V48JRN	PowerPlex® Y 23, GlobalFiler & PowerPlex Fusion 6C	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11	2	
V6ZCM8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
V9YNJ8	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
VJ2FAR	PowerPlex® Y, Y Indel from Globalfiler	2	14	14,21	12	28	27	11	11	13
			14	11	11					
									2	
VJH6BD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
VTLFKN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
VUZADN	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
W6FCJM	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

W8ZZGM	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
WD9WC2	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WDMP4H	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	n/a	n/a
			n/a	n/a	n/a	25	n/a	11	n/a	
WEFRK7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
WFRF7R	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WGQ2WH	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WRNUJN	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
WVTR2Q	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
X9AA6E	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XD646Z	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

XECHC7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
XEZL82	PowerPlex® Y PPY23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XHWW7M	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XJRE8N	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XKLE2	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XMP8CZ	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XPE4UJ	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XV337D	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XWJW8N	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XX8GPD	YFiler Plus	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

XZFY2B	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YFM989	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YGVYWY	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YLCPJY	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
YMRZKD	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YPC2DE	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
YTQ4A6	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
YVGEZX	PowerPlex® Fusion	2	-	-	-	-	-	11	-	-
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
YVXBRX	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YZDTVZ	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

Z4RJL9	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Z9LKZN	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ZAE7FD	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZBQFH7	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
ZC2FGL	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZDFA8Z	PowerPlex® Y 23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZM2BQV	GlobalFiler Express	2						11		
									2	
ZPPPE6	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ZRC69T	PowerPlex® Y Y23	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZTTLZU	Yfiler®	2	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 2 - YSTR Results

ZVYRT	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
ZWRWT	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
ZYCJFN	Yfiler®								
	2	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		

TABLE 3

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	Y Indel	

Item 3 - YSTR Results

2XHWJB	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
3HFPWU	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
42MEMW	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
68NDBQ	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
7KX2AF	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
934B6X	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
972VRU	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
99R8JM	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
9Y8NBA	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
B7XV6Y	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3 - YSTR Results

CGJVC2	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
CPP7JL	PowerPlex Fusion	3	---	---	---	---	---	---	---	---
			---	---	---	---	---	---	---	---
			---	---	---	---	---	---	---	---
D9HGUR	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
F4DT4V	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
FRRUH6	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
H6KRAN	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
JE4NUL	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
JFY7VM	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
JLPG7K	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
K7M9KN	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3 - YSTR Results

L7HEEN	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
MLTENJ	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
MRX3B	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NRFKZK	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NV8XC8	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NXLDUF	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
PC2FBJ	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
QQRZ4C	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
R7PCCF	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
R8EM49	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3 - YSTR Results

RN2386	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TTY9UT	Yfiler® Yfiler	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
U4CGPE	Yfiler® Plus	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
				17	17	20		11		
UZPY69	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
V6ZCM8	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
V9YNJ8	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
VJH6BD	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
X9AA6E	PowerPlex® Y 23	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
XECHC7	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
YGVYWY	Yfiler®	3	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3 - YSTR Results

YVXBRX	Yfiler®	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	3	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

24AF2E	Fusion	DYS391 only								
	3e								10	
<hr/>										
2DXP8M	PowerPlex® Y									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11						
<hr/>										
2E8XEG	Globalfiler									
	3e								(10)	
<hr/>										
2H8RAH	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
							20	11		
<hr/>										
2QH4BM	PowerPlex® Y 23									
	3e									
<hr/>										
2RQMAD	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
							20	11		
<hr/>										
2RY23L	PowerPlex® Y									
	3e									
<hr/>										
2WN7DW	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	N/A	N/A	
		N/A	N/A	N/A	20	N/A	11	N/A		
<hr/>										
2WR8DH	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
							20	11		
<hr/>										
2XWJTD	Yfiler®									
	3e	14	-	13	29	22	10	-	12	
		15	-	11	-	15	16			
							20	11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

34XKCC	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
36CG4H	Yfiler®	3e	14	[15]	13			10		12
			15		11		15	16		
						20		11		
3BGDMH	Yfiler®	3e								
3DAPLA	Yfiler®	3e								
3MWQ2J	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
3UV3AA	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
44WFUN	PowerPlex® Y 23	3e		15	13		22	10		12
					11		15	16	23	
			14	17		20				
46C7UD	Yfiler®	3e								
47ND72	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
4D6H7U	GlobalFiler	3e								

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

4JPA39	GlobalFiler								
	3e							10	
									2
63Y8ZG	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6AXJ97	PowerPlex® Y 23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
6BAQHA	Yfiler®								
	3e	14	13,-	13	29	22	10	11	12
		15	9	-	-	15	16		
					20		11		
6FDVKF	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6GGE33	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6KFQX3	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6RH6W4	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6RXQ76	Yfiler®								
	3e			13	29				12
		15			21	15	16		
					20		11		
6VY8QA	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

6WTHE3	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7233W8	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
77YM3C	Yfiler® 3e								
78NMQU	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
7F4799	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
7F7DQ9	PowerPlex® Y 23, Fusion DYS391 only 3e	14	13,15	NR	29	22	10	11	NR
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
7GBN74	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7LA9L3	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7NW334	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7NXV6H	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		nr		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

7U39PF	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7UFBK9	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
84P3LF	Yfiler® 3e								
863G84	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
86Z93K	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
8FFQMG	PowerPlex® Y Y23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11	NT	
8FXC4T	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
8GTU7U	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
8JZJY	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
8LLYYY	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

8ULXN8	Yfiler® 3e	[REDACTED]							
8UUFMX	PowerPlex® Y 23 3e	[REDACTED]							
8Z9MA3	Yfiler® Plus 3e	ND	ND	ND	ND	ND	ND	ND	ND
		15	ND	ND	ND	15	ND	ND	11
			17	ND	ND		11		
986N2F	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
99U9QK	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
9EGFEE	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
9F8MBW	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
9L3BFH	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
9LYXLV	Yfiler® 3e	[REDACTED]							
9MDACD	Yfiler® 3e	[REDACTED]							

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

9QTBHX	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
9U4YEG	PowerPlex® Y 23 3e	[REDACTED]							
		[REDACTED]							
9WGXD3	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
A8ZQ4P	Globalfiler 3e	[REDACTED]							
		[REDACTED]							
AA8XUX	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11	-	
AD6MPB	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
AFNM37	PowerPlex® Y 23 3e		13	13	29	22	10		
		15				15	16	23	
				17	20	6	11		
AJUYA8	Yfiler® 3e	14	13,[15]	13	29	22	10	11	12
		15	9	11	[21]	15	16		
					20		11		
AK3RN2	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
AKL78P	GlobalFiler 3e							10	
		[REDACTED]							

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

AQPAV3	Yfiler Plus								
	3e	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
				NR		NR	NR		
AXDTF7	Yfiler®								
	3e						16		
AXRBHB	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
B8R7R7	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
BET3FR	3e						10		
BJPYMC	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
BM6D9X	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
BNGC47	Yfiler®								
	3e								
BPFBNZ	Yfiler®, globalfiler for Y Indel								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11	2		
BPVU7C	Yfiler®								
	3e								

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

C6HZUQ	Yfiler® 3e	[REDACTED]							
C9KH4K	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
C9KH77	Yfiler® 3e	[REDACTED]							
CAYZAC	Yfiler® Plus 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
			17	17	20		11		
CBUHBD	GlobalFiler 3e						10		
								2	
CGXBG3	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
CHBBPD	Yfiler® 3e	14	13	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
CHTUJ4	PowerPlex® Y 23 3e	[REDACTED]							
CLPD83	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
CM2R24	Yfiler® 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

CQFMGZ	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
CQJFN2	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
D2YGB9	Yfiler® 3e	[REDACTED]							
		[REDACTED]							
D38282	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
D7CPPD	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DATL2N	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	NA	NA
		NA	NA	NA	20	NA	11	NA	
DEPKYD	Yfiler® 3e	[REDACTED]							
		[REDACTED]							
DQ2YW7	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DRR7UN	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DW2UJ7	GlobalFiler 3e	[REDACTED]						10	
		[REDACTED]							

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

DXZB6W	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DZN2U8	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
E2BF3W	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
E7NF39	Yfiler® 3e	14	13	13	29	22	10		12
		15	9	11	21	15	16		
							11		
ECYM28	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
EDM8JW	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
EEY6VT	Yfiler® 3e								
EHZHN8	Yfiler® 3e								
ELQWUB	PowerPlex® Y 23 3e								
EXB48W	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

F38QFW	Yfiler® 3e	[Redacted]								
F6RR8W	PowerPlex® Y PPY23 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			
F73HL8	Yfiler® 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
F9Q34W	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			
FAMQVN	Yfiler® 3e	[Redacted]								
FFR7HV	Yfiler® 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
FLFTD2	Yfiler® 3e	no profile	no profile	no profile	no profile	no profile	no profile	no profile	no profile	
		no profile	no profile	no profile	no profile	no profile	no profile	no profile	no profile	
		no profile	no profile	no profile	no profile	no profile	no profile	no profile		
FM72BJ	GlobalFiler 3e						10			
		[Redacted]								
								2		
FMBV66	Yfiler® 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
FRPWDB	Yfiler® 3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

FTWEC8	Yfiler®								
	3e	NR	NR	13	29	22	10	NR	12
		15	9	11	21	15	16		
					20		NR		
FXR6HH	Yfiler®								
	3e						no profile		
						no profile		no profile	
FY78DC	STR Amp Kit PowerPlex Fusion								
	3e								
FZX6PP	Yfiler® 1509102								
	3e								
GDG8LM	PowerPlex® Y 23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
GK4G96	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
GKJPAP	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
GQ9WH8	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
GYZC8C									
	3e						10		
HBQANF	Yfiler®								
	3e								

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

HEAHX2	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
HJQ7UC	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
HLT2EZ	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HMGMXP	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HNC7YR	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HNWGN7	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HWQ3R6	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HZ8ELZ	Yfiler®	3e								
J4283V	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
J4HJK2	Yfiler®	3e	14		13	29		10		12
			15	9		21	15	16		
								11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

J4Z3DR	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
J7T4TB	PowerPlex Fusion	3e						10		
JHMM6V	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
JXWYQE	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
K2UG4E	Yfiler®, PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
K4H9DG	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11	-	
K788HM	Yfiler®	3e								
K7RZY6	PowerPlex® Y	3e	14	13,15	13	29	22	10		12
			15	9	11					
KBHV3W	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
KFDUQM	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

KT7W9Z	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
KTHHUV	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
KXGXD4	PowerPlex® Y 23 3e	[Redacted]							
		[Redacted]							
L7QMQ3	PowerPlex® Y 23 3e	[Redacted]							
		[Redacted]							
L99B63	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LB2PTX	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LCRXQF	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LE3QUV	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LJ8BH8	Fusion 3e						10		
		[Redacted]							
LJAGW2	Yfiler® 3e	[Redacted]							
		[Redacted]							

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

LJD2LP	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
LKLMAK	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
LKM3HW	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
LQAT4R	YFiler Plus	3e	14	15	13	29				
			15	9		21		16		
									2	
LUNVZH	Yfiler®	3e	-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
LWVDYD	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
M6JNNY	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
M6PBCL	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
MAEEUB	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
MCN89J	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

MCQDQJ	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
MQKAFV	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
MUP8YX	Yfiler®	3e								
MWPHRD	Yfiler®	3e	14	13,15	13	29	[22]	10	11	12
			15	[9]	[11]	[21]	15	16		
								11		
MY2EXW	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	NA	NA
			NA	NA	NA	20	NA	11	NA	
MZDUT4	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
N4PMB2	Yfiler®	3e	14	13,15	13	29	#	10	11	12
			15	9	11	21	15	16		
						#		11		
N89CJZ	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NGY79W	Yfiler®	3e								
NHRANP	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

NLUWE8	Globalfiler									
	3e									
		2								
NM74RV	PowerPlex® Y Y23									
	3e						22	10	11	
		17								
NQNQEU	Yfiler®									
	3e									
NVBB7V	Yfiler®									
	3e									
NVTUZL	PowerPlex® Y 23									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			
NW6LUN	Yfiler®									
	3e	13,15		13	29	22	10	11	12	
		15	9		21	15	16			
							20	11		
P2JYHC	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	N/A	N/A	
		N/A	N/A	N/A	20	N/A	11	N/A		
P2ZM2W	Yfiler®									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
							20	11		
P3CDXU	PowerPlex® Y 23									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			
P888VV	PowerPlex® Y 23									
	3e	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

P92X2B	GlobalFiler	3e							
		2							
P9G6BY	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
PAC86N	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	-
PK8H9N	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
Q2FQTP	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
Q3LGTD	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QBYEEB	PowerPlex® Y 23	3e							
QG7VWC	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QGMD8Q	Yfiler®	3e							
						22			
						15			
QGPHVU	Yfiler®	3e							
		14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

QH2EYD	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
QKTUNU	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
QMBG29	Yfiler®								
	3e								
QR9NNW	Yfiler®								
	3e								
QT47PX	PowerPlex® Y 23								
	3e								
QTGWLV	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
R4W4XP	Yfiler®								
	3e								
R8WETP	Yfiler®								
	3e								
RB2X3J	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
RHEB4H	Yfiler®								
	3e								

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

RHGEUT	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
RZV3V8	Globalfiler	3e						10		
										2
T4FLMC	Yfiler®	3e								
T7JG9Z	PowerPlex® Y Y23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
T8BFKD	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
T9LEG8	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TALYHU	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TCR7Y2	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TGKAQK	Yfiler® Plus	3e	NR	NR	NR	NR	NR	NR	NR	NR
			NR	NR	NR	NR	NR	NR	NR	NR
			-	NR	NR	NR	-	NR	NR	
TJNZYK	Yfiler®	3e	14	13	13	29	22	10	NR	12
			15	9	11	NR	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

TKJPAT	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
TWYL7K	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
TXJ7RA	Yfiler® 3e	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
TY3GQM	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
TYJMYL	PowerPlex® Y Y23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
TZYX3K	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
UFZPY2	PowerPlex® Y 23 System 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
UGV4V7	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
UHR6MW	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
UMMYMH	Yfiler® 3e								12

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

UQ44G8	PowerPlex® Y 23	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
UYZYGQ	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
V48JRN	PowerPlex® Y 23	3e								
VJ2FAR	PowerPlex® Y	3e								
VTLFKN	Yfiler® only Y amp'd Sperm fraction	3e								
VUZADN	PowerPlex® Y 23	3e	14	13,15	13		22	10		12
			15	9	11	21	15	16	23	11
			14	17	17	20	6			
W6FCJM	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
W8ZZGM	PowerPlex® Y 23	3e	NT	NT	NT	NT	NT	NT	NT	NT
			NT	NT	NT	NT	NT	NT	NT	NT
			NT	NT	NT	NT	NT	NT		
WD9WC2	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
WDMP4H	Yfiler®	3e	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	n/a	n/a
			n/a	n/a	n/a	20	n/a	11	n/a	

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

WEFRK7	Yfiler® 3e	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	-	-
		-	-	-	NR	-	NR	-	
WFR7R	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
WGQ2WH	Yfiler® 3e								
WRNUJN	PowerPlex® Y 23 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
WVTR2Q	Yfiler® 3e								
XD646Z	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
XFR3EA	Fusion 3e								
XHW7M	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
XJRE8N	Yfiler® 3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
XKLE2	PowerPlex® Y Y23 3e								

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

XPE4UJ	Yfiler®								
	3e		15	13	29	22	10	11	12
		15		11		15	16		
				20		11			
XV337D	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
XWJW8N	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
XX8GPD	YFiler Plus								
	3e								
XZFY2B	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
YFM989	Yfiler®								
	3e								
YLCPJY	PowerPlex® Y 23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
YMRZKD	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
YPC2DE	PowerPlex® Y 23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
YTQ4A6	Yfiler®								
	3e	-	13,15	13	-	22	10	-	12
		15	9	11	-	15	16	-	-
		-	-	-	-	-	11	-	

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

Z4RJL9	Yfiler®								
	3e			13			10		12
		9				15			
					20		11		
Z9LKZN	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZAE7FD	PowerPlex® Y Y23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZBQFH7	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
ZC2FGL	PowerPlex® Y 23								
	3e	NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT	NT	NT	NT	NT	NT
		NT	NT	NT	NT	NT	NT		
ZDFA8Z	PowerPlex® Y 23								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZM2BQV	GlobalFiler								
	3e								2
ZPPPE6	Yfiler®								
	3e								
ZRC69T	PowerPlex® Y Y23								
	3e		15	13	29		10	11	12
			9		21		16	23	
		14	17	17		6	11		
ZTTLZU	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3e - YSTR Results

ZVYRT	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZWRWT	Yfiler®								
	3e	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZYCJFN	Yfiler®								
	3e	14		13					
						15	16		
							11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

24AF2E	Fusion DYS391 only								
	3sp						10		
<hr/>									
2DXP8M	PowerPlex® Y								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11					
<hr/>									
2E8XEG	Globalfiler								
	3sp						10		
								2	
<hr/>									
2H8RAH	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
<hr/>									
2QH4BM	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
<hr/>									
2RQMAD	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
<hr/>									
2RY23L	PowerPlex® Y								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11					
<hr/>									
2WN7DW	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
<hr/>									
2WR8DH	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
<hr/>									
2XWJTD	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

34XKCC	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
36CG4H	Yfiler®	3sp	14	13,15		29		10	11	12
			15		11	21	15	16		
						20		11		
3BGDMH	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
3DAPLA	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
3MWQ2J	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
3UV3AA	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
44WFUN	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
46C7UD	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
47ND72	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
4D6H7U	GlobalFiler	3sp						10		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

4JPA39	GlobalFiler									
	3sp								10	
									2	
63Y8ZG	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6AXJ97	PowerPlex® Y 23									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	23	11	
		14	17	17	20	6	11			
6BAQHA	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6FDVKF	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6GGE33	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6KFQX3	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6Q76H4	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6RH6W4	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11
6RXQ76	Yfiler®									
	3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
									20	11

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

6VY8QA	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
6WTHE3	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7233W8	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
77YM3C	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
78NMQU	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
7F4799	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
7F7DQ9	PowerPlex® Y 23, Fusion DYS391 only 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
7GBN74	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7LA9L3	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7NW334	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

7NXV6H	Yfiler® 3sp	14	13,15	13	29	22	10	nr	12
		15	9	11	21	15	16		
					20		11		
7U39PF	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
7UFBK9	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
84P3LF	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
863G84	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
86Z93K	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
8FFQMG	PowerPlex® Y Y23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11	NT	
8FXC4T	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
8GTU7U	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
8JZJYJ	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

8LLYYY	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
8ULXN8	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
8UUFMX	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
8Z9MA3	Yfiler® Plus	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
				17	17	20		11		
986N2F	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
99U9QK	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
9EGFEE	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
9F8MBW	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
9FTE73	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
9L3BFH	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

9LYXLV	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20				
9MDACD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20			11	
9QTBHX	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20			11	
9U4YEG	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
9WGX D3	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
A8ZQ4P	Globalfiler 3sp						10		
								2	
AA8XUX	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11	-	
AD6MPB	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20			11	
AFNM37	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
AJUYA8	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20			11	

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

AK3RN2	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
AKL78P	GlobalFiler	3sp						10		
										2
AQPAV3	Yfiler Plus	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		2
AXDTF7	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
AXRBHB	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
B8R7R7	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
BET3FR		3sp						10		
BJPYMC	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
BM6D9X	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
BNGC47	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

BPFBNZ	Yfiler®, globalfiler for Y Indel	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11	2	
BPVU7C	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
C6HZUQ	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
C9KH4K	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
C9KH77	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
CAYZAC	Yfiler® Plus	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
				17	17	20		11		
CBUHBD	GlobalFiler	3sp						10		
									2	
CGXBG3	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
CHBBPD	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
CHTUJ4	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

CLPD83	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
CM2R24	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
CQFMGZ	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
CQJFN2	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
D2YGB9	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
D38282	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
D7CPPD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DATL2N	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	NA	NA
		NA	NA	NA	20	NA	11	NA	
DEPKYD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
DQ2YW7	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

DRR7UN	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
DW2UJ7	GlobalFiler	3sp						10		
										2
DXZB6W	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
DYR2YW	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
DZN2U8	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
E2BF3W	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
E7NF39	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
ECYM28	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
EDM8JW	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
EEY6VT	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

EHZHN8	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ELQWUB	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ETVTUT	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
EXB48W	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
F38QFW	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
F6RR8W	PowerPlex® Y PPY23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
F73HL8	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
F9Q34W	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
FAMQVN	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
FFR7HV	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

FLFTD2	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	no profile	no profile
		no profile	no profile	no profile	20	no profile	11	no profile	
FM72BJ	GlobalFiler 3sp						10		
								2	
FMBV66	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
FRPWDB	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
FTWEC8	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
FXR6HH	Yfiler® 3sp	14	13	13	29	22	10	11	12
		15		11	21	15	16		
					20		11		
FY78DC	STR Amp Kit PowerPlex Fusion 3sp						10		
FZX6PP	Yfiler® 1509102 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
GDG8LM	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
GK4G96	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

GKJPAR	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
GQ9WH8	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
GYZC8C	3sp						10			
HBQANF	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HEAHX2	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
HJQ7UC	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
HLT2EZ	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HMGMXP	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HNC7YR	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
HNWGN7	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

HQH3GU	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
HWQ3R6	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
HZ8ELZ	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
J4283V	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
J4HJK2	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
J4Z3DR	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
J7T4TB	PowerPlex Fusion 3sp						10		
JHMM6V	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
JXWYQE	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
K2UG4E	Yfiler®, PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

K4H9DG	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11	-	
K788HM	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
K7RZY6	PowerPlex® Y	3sp	14	13,15	13	29	22	10	11	12
			15	9	11					
KBHV3W	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
KFDUQM	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
KT7W9Z	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
KTHHUV	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
KXGD4	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
L7QMQ3	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
L99B63	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

LB2PTX	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LCRXQF	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LE3QUV	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LJ8BH8	Fusion 3sp						10		
LJAGW2	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LJD2LP	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LKLMAK	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
LKM3HW	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
LQAT4R	YFiler Plus 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11	2	
LUNVZH	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

LWVDYD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
M6JNNY	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
M6PBCL	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
MAEEUB	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
MCN89J	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
MCQDQJ	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
MQKAFV	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
MUP8YX	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
MWPHRD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
MY2EXW	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	NA	NA
		NA	NA	NA	20	NA	11	NA	

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

MZDUT4	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
N4PMB2	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
N89CJZ	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NGY79W	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NHRANP	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NLUWE8	Globalfiler	3sp						10		
									2	
NM74RV	PowerPlex® Y Y23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
NQNQEU	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NVBB7V	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
NVTUZZ	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	
Item 3sp - YSTR Results									
NW6LUN	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
P2JYHC	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	
P2ZM2W	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
P3CDXU	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
P4PXP	Fusion DYS391 only 3sp						10		
P888VV	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
P92X2B	GlobalFiler 3sp						10		
								2	
P9G6BY	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
PAC86N	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	
PK8H9N	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

Q2FQTP	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
Q3LGTD	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QBYEEB	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	INC		
QG7VWC	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QGMD8Q	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QGPHVU	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QH2EYD	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QKTUNU	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QMBG29	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
QR9NNW	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

QT47PX	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
QTGWLV	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
R4W4XP	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
R8WETP	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
RB2X3J	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
RHEB4H	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
RHGEUT	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
RZV3V8	Globalfiler	3sp						10		
									2	
T4FLMC	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
T7JG9Z	PowerPlex® Y Y23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

T8BFKD	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
T9LEG8	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TALYHU	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TCR7Y2	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TGKAQK	Yfiler® Plus	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			-	17	17	20	-	11	2	
TJNZYK	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TKJPAT	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TWYL7K	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
TXJ7RA	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	-	-
			-	-	-	20	-	11	-	
TY3GQM	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

TYJMYL	PowerPlex® Y Y23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
TZYX3K	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
UFZPY2	PowerPlex® Y 23 System	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
UGV4V7	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
UHR6MW	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
UMMYMH	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
UQ44G8	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
UYZYGQ	Yfiler®	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16		
						20		11		
V48JRN	PowerPlex® Y 23	3sp	14	13,15	13	29	22	10	11	12
			15	9	11	21	15	16	23	11
			14	17	17	20	6	11		
VJ2FAR	PowerPlex® Y	3sp	14	13,15	13	29	22	10	11	12
			15	9	11					

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

VTLFKN	Yfiler® only Y amp'd Sperm fraction								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
				20		11			
VUZADN	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
	14	17	17	20	6	11			
W6FCJM	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
			20		11				
W8ZZGM	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
	14	17	17	20	6	11			
WD9WC2	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
			20		11				
WDMP4H	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	n/a	n/a
	n/a	n/a	n/a	20	n/a	11	n/a		
WEFRK7	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
	-	-	-	20	-	11	-		
WFRF7R	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
			20		11				
WGQ2WH	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
			20		11				
WRNUJN	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
	14	17	17	20	6	11			

TABLE 3

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	Y Indel		
Item 3sp - YSTR Results										
WVTR2Q	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XD646Z	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16	N/A	N/A	
		N/A	N/A	N/A	20	N/A	11	N/A		
XFR3EA	Fusion 3sp									
XHWW7M	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XJRE8N	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XKLE2	PowerPlex® Y Y23 3sp	14		13	29	22	10	11	12	
			9		21	15	16	23	11	
		14	17		20	6	11			
XPE4UJ	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XV337D	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XWJW8N	Yfiler® 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11			
XX8GPD	YFiler Plus 3sp	14	13,15	13	29	22	10	11	12	
		15	9	11	21	15	16			
					20		11	2		

TABLE 3

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	Y Indel	

Item 3sp - YSTR Results

XZFY2B	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
YFM989	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
YLCPJY	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
YMRZKD	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
YPC2DE	PowerPlex® Y 23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
YTQ4A6	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	-	-
		-	-	-	20	-	11	-	-
Z4RJL9	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
Z9LKZN	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZAE7FD	PowerPlex® Y Y23 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZBQFH7	Yfiler® 3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	N/A	N/A
		N/A	N/A	N/A	20	N/A	11	N/A	N/A

TABLE 3

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	Y Indel	
Item 3sp - YSTR Results									
ZC2FGL	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZDFA8Z	PowerPlex® Y 23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZM2BQV	GlobalFiler								
	3sp						10		
								2	
ZPPE6	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZRC69T	PowerPlex® Y Y23								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16	23	11
		14	17	17	20	6	11		
ZTTLZU	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZVYRT	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZWRWVT	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		
ZYCJFN	Yfiler®								
	3sp	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 3sr - YSTR Results

DYR2YW	Yfiler®								
	3sr	14	13,15	13	29	22	10	11	12
		15	9	11	21	15	16		
					20		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

24AF2E	Fusion DYS391 only								
	4						11		
<hr/>									
2DXP8M	PowerPlex® Y								
	4	14	14,21	12	28	27	11	11	13
		14	11	11					
<hr/>									
2E8XEG	Globalfiler								
	4						11		
								2	
<hr/>									
2H8RAH	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
<hr/>									
2QH4BM	PowerPlex® Y 23								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
<hr/>									
2RQMAD	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
<hr/>									
2RY23L	PowerPlex® Y								
	4	14	14,21	12	28	27	11	11	13
		14	11	11					
<hr/>									
2WN7DW	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	N/A	N/A
		N/A	N/A	N/A	25	N/A	11	N/A	
<hr/>									
2WR8DH	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
<hr/>									
2XHWJB	PowerPlex® Y 23								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		

TABLE 3

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	Y Indel		
Item 4 - YSTR Results										
2XWJTD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
34XKCC	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
36CG4H	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3DAPLA	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3HFPWU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3MWQ2J	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
3UV3AA	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
42MEMW	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
44WFUN	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
46C7UD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

47ND72	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
4D6H7U	GlobalFiler	4						11		
									2	
4JPA39	GlobalFiler	4						11		
									2	
63Y8ZG	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
68NDBQ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6AXJ97	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
6BAQHA	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6FDVKF	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6GGE33	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6KFQX3	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

6Q76H4	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6RH6W4	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6RXQ76	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6VY8QA	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
6WTHE3	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7233W8	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
77YM3C	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
78NMQU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
7F4799	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
7F7DQ9	PowerPlex® Y 23, Fusion DYS391 only	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

7GBN74	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7KX2AF	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
7LA9L3	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7NW334	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7NXV6H	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7U39PF	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
7UFBK9	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
84P3LF	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
863G84	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
86Z93K	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

8FFQMG	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11	NT	
8FXC4T	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8GTU7U	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
8JZJY	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8LLYYY	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8ULXN8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
8UUFMX	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
8Z9MA3	Yfiler® Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
934B6X	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
972VRU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

986N2F	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
99R8JM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
99U9QK	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9EGFEE	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9F8MBW	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9FTE73	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9L3BFH	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
9LYXLV	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9QTBHX	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
9WGX D3	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

9Y8NBA	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
A8ZQ4P	Globalfiler	4						11		
									2	
AA8XUX	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11	-	
AD6MPB	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
AFNM37	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
AJUYA8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
AK3RN2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
AKL78P	GlobalFiler	4						11		
									2	
AQPAV3	Yfiler Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	
AXDTF7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

AXRBHB	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
B7XV6Y	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
B8R7R7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BET3FR		4						11		
BJPYMC	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BM6D9X	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BNGC47	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
BPFBNZ	Yfiler®, Globalfiler for Y Indel	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	
BPVU7C	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
C6HZUQ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

C9KH4K	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
C9KH77	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CAYZAC	Yfiler® Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
CBUHBD	GlobalFiler	4						11		
									2	
CGJVC2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CGXBG3	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
CHBBPD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
CHTUJ4	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
CLPD83	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
CM2R24	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

CPP7JL	PowerPlex Fusion	4	---	---	---	---	---	---	---	
			---	---	---	---	---	---	---	
			---	---	---	---	---	---	---	
CQFMGZ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
CQJFN2	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
D38282	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
D7CPPD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
D9HGUR	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DATL2N	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
DEPKYD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DQ2YW7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
DRR7UN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

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DW2UJ7	GlobalFiler								
	4						11		
								2	
DXZB6W	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
DYR2YW	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
DZN2U8	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
E2BF3W	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
E7NF39	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
ECYM28	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
EDM8JW	PowerPlex® Y 23								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
EEY6VT	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
ELQWUB	PowerPlex® Y 23								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

ETVTUT	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
EXB48W	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
F38QFW	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
F4DT4V	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
F6RR8W	PowerPlex® Y PPY23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
F73HL8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
F9Q34W	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
FAMQVN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FFR7HV	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FLFTD2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	no profile	no profile
			no profile	no profile	no profile	25	no profile	11	no profile	

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

FM72BJ	GlobalFiler	4						11		
									2	
FMBV66	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FRPWDB	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FRRUH6	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
FY78DC	STR Amp Kit PowerPlex Fusion	4						11		
FZX6PP	Yfiler® 1509102	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
GDG8LM	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
GK4G96	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
GKJPAP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
GQ9WH8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

GYZC8C	4						11		
H6KRAN	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	NA	NA
		NA	NA	NA	25	NA	11	NA	
HBQANF	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
HEAHX2	PowerPlex® Y 23								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
HJQ7UC	PowerPlex® Y 23								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
HLT2EZ	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
HMGMP	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
HNC7YR	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
HNWGN7	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		
HQH3GU	Yfiler®								
4		14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

HWQ3R6	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
HZ8ELZ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
J4283V	Yfiler®	4	15	12	27	28	16	14	14,21	13
			11	11	25	11	11	14	11	19
J4HJK2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
J4Z3DR	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
J7T4TB	PowerPlex Fusion	4						11		
JE4NUL	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JFY7VM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JHMM6V	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
JLPG7K	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

JXWYQE	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
K2UG4E	Yfiler®, PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
K4H9DG	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11	-	
K788HM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
K7M9KN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
K7RZY6	PowerPlex® Y	4	14	14,21	12	28	27	11	11	13
			14	11	11					
KBHV3W	Yfiler®	4	14	14,20,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KFDUQM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KT7W9Z	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
KTHHUV	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

KXGXD4	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
L7HEEN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
L7QMQ3	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
L99B63	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LB2PTX	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LCRXQF	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LE3QUV	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LJ8BH8	Fusion	4						11		
LJAGW2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LJD2LP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

LKLMAK	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
LKM3HW	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
LQAT4R	Yfiler Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	
LUNVZH	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
LWVDYD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
M6JNNY	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
M6PBCL	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MAEEUB	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MCN89J	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
MCQDQJ	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

MLTENJ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
MQKAFV	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
MRX3B	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MWPHRD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
MY2EXW	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
MZDUT4	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
N4PMB2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
N89CJZ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NGY79W	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
NHRANP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

NLUWE8	Globalfiler	4								11
										2
NM74RV	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16 25 14								
					14	19	15	25	11	11
NQNQEU	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
NRFKZK	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
NV8XC8	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
NVBB7V	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
NVTUZZ	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16 25 14								
					14	19	15	25	11	11
NW6LUN	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
NXLDUF	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16								
							25	11		
P2JYHC	Yfiler®	4	14	14,21	12	28	27	11	11	13
		14 11 11 19 15 16 N/A N/A								
					N/A	N/A	N/A	25	N/A	11

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

P2ZM2W	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
P3CDXU	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
P4PXR	Fusion DYS391 only	4						11		
P888VV	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
P92X2B	GlobalFiler	4						11		
									2	
P9G6BY	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
PAC86N	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
PC2FBJ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
PK8H9N	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Q2FQTP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

Q3LGTD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QBYEEB	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	INC		
QG7VWC	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QGMD8Q	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QGPHVU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QH2EYD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QKTUNU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QMBG29	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
QQRZ4C	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
QR9NNW	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

QT47PX	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
QTGWLV	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R4W4XP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R6QU46	PowerPlex® Y Fusion	4								
R7PCCF	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
R8EM49	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
R8WETP	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RB2X3J	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RHEB4H	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RHGEUT	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

RN2386	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
RZV3V8	Globalfiler	4						11		
									2	
T4FLMC	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
T7JG9Z	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
T8BFKD	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
T9LEG8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TALYHU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TCR7Y2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TGKAQK	Yfiler® Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			-	19	15	25	-	11	2	
TJNZYK	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

TKJPAT	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TTY9UT	Yfiler® Yfiler	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TWYL7K	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TXJ7RA	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
TY3GQM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
TYJMYL	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
TZYX3K	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
U4CGPE	Yfiler® Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
				19	15	25		11		
UFZPY2	PowerPlex® Y 23 System	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UGV4V7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

UHR6MW	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UMMYMH	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UQ44G8	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
UYZYGQ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
UZPY69	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
V48JRN	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
V6ZCM8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
V9YNJ8	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
VJ2FAR	PowerPlex® Y	4	14	14,21	12	28	27	11	11	13
			14	11	11					
VJH6BD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

VTLFKN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
VUZADN	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
W6FCJM	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
W8ZZGM	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
WD9WC2	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WDMP4H	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	n/a	n/a
			n/a	n/a	n/a	25	n/a	11	n/a	
WEFRK7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
WFRF7R	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WGQ2WH	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
WRNUJN	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

X9AA6E	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XD646Z	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
XECHC7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	NA	NA
			NA	NA	NA	25	NA	11	NA	
XFR3EA	Fusion	4								
XJRE8N	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XKLE2	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
XPE4UJ	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XV337D	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XWJW8N	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
XX8GPD	YFiler Plus	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11	2	

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

XZFY2B	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YFM989	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YGVYWY	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YLCPJY	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
YMRZKD	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
YPC2DE	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
YTQ4A6	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	-	-
			-	-	-	25	-	11	-	
YVXBRX	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Z4RJL9	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
Z9LKZN	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

ZAE7FD	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZBQFH7	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	N/A	N/A
			N/A	N/A	N/A	25	N/A	11	N/A	
ZC2FGL	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZDFA8Z	PowerPlex® Y 23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
ZM2BQV	GlobalFiler	4						11		
									2	
ZPPE6	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ZRC69T	PowerPlex® Y Y23	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16	25	14
			14	19	15	25	11	11		
Z TTLZU	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ZVYRT	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		
ZWRWVT	Yfiler®	4	14	14,21	12	28	27	11	11	13
			14	11	11	19	15	16		
						25		11		

TABLE 3

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	Y Indel	

Item 4 - YSTR Results

ZYCJFN	Yfiler®								
	4	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16		
					25		11		

TABLE 3

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	Y Indel	

Item 4e - YSTR Results

9U4YEG	PowerPlex® Y 23								
	4e	14	14,21	12	28	27	11	11	13
		14	11	11	19	15	16	25	14
		14	19	15	25	11	11		
FTWEC8	Yfiler®								
	4e	14	14,[19*],[20*],21	12	28	[26*],27	11	11	13
		14	11	11	19	15	16		
					[24*],25		11		

TABLE 3

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	Y Indel	

Item 4sp - YSTR Results

9U4YEG	PowerPlex® Y 23								
	4sp								

FTWEC8	Yfiler®								
	4sp	NR	NR	NR	NR	NR	NR	11	12
		NR	NR	11	19	NR	16		
					20		11		

Additional DNA Results

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D6S1043	6EHF8H	16,19	12,18		[11],16,19	11,14	12,18		
	84P3LF	16,19	12,18		11,14,16,19	11,14	12,18		
	DEPKYD	16,19	12,18		[14],16,19	11,14	12,18		
	QR9NNW	16,19	12,18		11,14,16,19	11,14	12,18		
	UK3THU	16,19	12,18		11,14,16,19	11,14,16	12,18		
	YJLWU6				11,14	16,19	12,18		
DYF387S1	8Z9MA3		37,38						
	AQPAV3		37,38			37,39	37,38		
	CAYZAC	NR	37,38		37,39	37,39	37,38		
	LQAT4R		37,38		37	37,39	37,38		
	TGKAQK	-	37,38		NR	37,39	37,38		
	U4CGPE		37,38	37,39			37,38		
	XX8GPD		37,38			37,39	37,38		
DYS391	2RY23L		11						
	2YQ6PP		11			10	11		
	3MDVJG		11		10	10	11		
	3QF34N		11			10	11		
	44WFUN		11			10	11		
	86Z93K		11		[10]	10	11		
	8ADGGN		11						
	9B43MK		11		[10]	10	11		
	9L3BFH		11			10	11		
	ADPD7B		11		10	10	11		
	BGGXFK		11		[10]	10	11		
	CQJFN2		11						
	DVTMGD		11		10	10	11		
	EVQEMJ		11						
	H8RF3D		11		[10]	10	11		
	HM2XM6		11						
	JKQBM7		11				10	11	
	LEFAPL		11						
	LJ8BH8		11		10	10	11		
	MBW9W7		11				10	11	
	MZDUT4		11				10	11	
	N8Q3U6		11				10	11	

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
DYS391 cont'd	QB3R9Y		11			10	10		11
	R6QU46	-	11			-	[10]		11
	RBWX6J		11			10	10		11
	RRM397		11						
	U7TBCJ		11						
	UF389X		11				10		11
	WJC8HU		11				10		11
	WXC9VV		11			[10]	10		11
	X4DBJ9		11				10		11
	XFR3EA		11				10		11
	XMP8CZ		11						
	XYJN22		11						
	YJLWU6		11						
	YNZT2R		11						
	YPC2DE		11						
	ZFZJK2		11				10	10	
DYS391 (FUSION)	GDG8LM								11
DYS449	8Z9MA3		27						
	AQPAV3		27				31		27
	CAYZAC	NR	27			31	31		27
	LQAT4R		27				31		27
	TGKAQK	-	27			NR	31		27
	U4CGPE		27		31				27
	XX8GPD		27				31		27
DYS460	8Z9MA3		11						
	AQPAV3		11				10		11
	CAYZAC	NR	11			10	10		11
	LQAT4R		11				10		11
	TGKAQK	-	11			NR	10		11
	U4CGPE		11		10				11
	XX8GPD		11				10		11
DYS481	AQPAV3		25				23		25
	LQAT4R		25				23		25
	XX8GPD		25				23		25
	YZDTVZ		25						
DYS518	8Z9MA3		39						

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
DYS518 cont'd	AQPAV3		39			36	39		
	CAYZAC	NR	39		36	36	39		
	LQAT4R		39			36	39		
	TGKAQK	-	39		NR	36	39		
	U4CGPE		39	36			39		
	XX8GPD		39				36	39	
DYS533	AQPAV3		14			11	14		
	LQAT4R		14		11	11	14		
	XX8GPD		14			11	14		
	YZDTVZ		14						
DYS549		YZDTVZ		14					
DYS570	AQPAV3		19			17	19		
	LQAT4R		19		17	17	19		
	XX8GPD		19			17	19		
	YZDTVZ		19						
DYS576	AQPAV3		15			17	15		
	LQAT4R		15		17	17	15		
	XX8GPD		15			17	15		
	YZDTVZ		15						
DYS627	8Z9MA3		22						
	AQPAV3		22			22	22		
	CAYZAC	NR	22		22	22	22		
	LQAT4R		22			22	22		
	TGKAQK	-	22		NR	22	22		
	U4CGPE		22	22			22		
	XX8GPD		22			22	22		
	YZDTVZ		11						
DYS643		YZDTVZ		11					
Y INDEL		2RY23L		2					
		YJLWU6		2					
Yindel		2DXP8M		2					
		3MDVJG		2	2	2	2		
		8ADGGN		2					
		BGGXFK		2	[2]	2	2		
		H8RF3D		2	[2]	2	2		
		ADPD7B		2	2	2	2		
Y-INDEL		ADPD7B		2	2	2	2		

Mitochondrial DNA - HVRI Results

TABLE 5a - ITEM 1

Polymorphisms from Reference Sequence

	16172.0	16184.0	16187.0	16189.0	16223.0	16261.0	16278.0	16290.0	16311.0	16519.0
ITEM 1										
4QCVE2	C	T	T	C	T	T	T	T	C	
8GMMVL	C	T	T	C	T	T	T	T	C	C
972VRU	C	T	T	C	T	T	T	T	C	
9L6XWW	C	T	T	C	T	T	T	T	C	C
AXRBHB	C	T	T	C	T	T	T	T	C	
BDY3QU	C	T	T	C	T	T	T	T	C	C
CARDCP	C	T	T	C	T	T	T	T	C	
D9HGUR	C	T	T	C	T	T	T	T	C	
DDRP8P	C	T	T	C	T	T	T	T	C	
DEPKYD	C	T	T	C	T	T	T	T	C	
EVQEMJ	C	T	T	C	T	T	T	T	C	C
H6KRAN	C	T	T	C	T	T	T	T	C	
JE4NUL	C	T	T	C	T	T	T	T	C	C
K2UG4E	C	T	T	C	T	T	T	T	C	C
KFDUQM	C	T	T	C	T	T	T	T	C	
MLTENJ	C	T	T	C	T	T	T	T	C	
NRFKZK	C	T	T	C	T	T	T	T	C	
NXLDUF	C	T	T	C	T	T	T	T	C	
PAC86N	C	T	T	C	T	T	T	T	C	
QG7VWC	C	T	T	C	T	T	T	T	C	
QQRZ4C	C	T	T	C	T	T	T	T	C	
RRM397	C	T	T	C	T	T	T	T	C	C
U4CGPE	C	T	T	C	T	T	T	T	C	C
UFZPY2	C	T	T	C	T	T	T	T	C	
UZPY69	C	T	T	C	T	T	T	T	C	
V6ZCM8	C	T	T	C	T	T	T	T	C	
V9YNJ8	C	T	T	C	T	T	T	T	C	
VACFDA	C	T	T	C	T	T	T	T	C	
XEHC7	C	T	T	C	T	T	T	T	C	
XYJN22	C	T	T	C	T	T	T	T	C	C
YGVYWY	C	T	T	C	T	T	T	T	C	

Mitochondrial DNA - HVRI Results

TABLE 5b - ITEM 2

Polymorphisms from Reference Sequence

	16037.0	16183.0	16189.0	16193.0	16223.0	16260.0	16327.0	16375.0	16376.0
ITEM 2									
4QCVE2		C	C		T	T	T	N	
8GMMVL		C	C		T	T	T		
972VRU		C	C		T	T	T		
9L6XWW		C	C		T	T	T		
AXRBHB		C	C		T	T	T		
BDY3QU		C	C		T	T	T		
CARDCP		C	C		T	T	T		
D9HGUR		C	C		T	T	T		N
DDRP8P		C	C		T	T	T		
DEPKYD		C	C		T	T	T		
EVQEMJ		C	C		T	T	T		
H6KRAN		C	C		T	T	T		
JE4NUL		C	C		T	T	T		
K2UG4E		C	C		T	T	T		
KFDUQM		C	C		T	T	T		
MLTENJ		C	C		T	T	T		
NRFKZK		C	C		T	T	T		
NXLDUF	N	C	C		T	T	T		
PAC86N		C	C		T	T	T		
QG7VWC		C	C		T	T	T		
QQRZ4C		C	C		T	T	T		
RRM397		C	C		T	T	T		
U4CGPE		C	C	LHP	T	T	T		
UFZPY2		C	C		T	T	T		
UZPY69		C	C		T	T	T		
V6ZCM8		C	C		T	T	T		
V9YNJ8		C	C		T	T	T		
VACFDA		C	C		T	T	T		
XEHC7		C	C		T	T	T		
XYJN22		C	C		T	T	T		
YGVYWY		C	C		T	T	T		

Mitochondrial DNA - HVRI Results

TABLE 5c - ITEM 3

Polymorphisms from Reference Sequence

	16172.0	16184.0	16187.0	16189.0	16223.0	16261.0	16278.0	16290.0	16311.0	16519.0
ITEM 3										
9L6XWW	C	T	T	C	T	T	T	T	C	
AXRBHB	C	T	T	C	T	T	T	T	C	
BDY3QU	C	T	T	C	T	T	T	T	C	
CARDCP	C	T	T	C	T	T	T	T	C	
D9HGUR	C	T	T	C	T	T	T	T	C	
DDRP8P	C	T	T	C	T	T	T	T	C	
JE4NUL	C	T	T	C	T	T	T	T	C	
K2UG4E	C	T	T	C	T	T	T	T	C	C
NRFKZK	C	T	T	C	T	T	T	T	C	
NXLDUF	C	T	T	C	T	T	T	T	C	
VACFDA	C	T	T	C	T	T	T	T	C	

Mitochondrial DNA - HVRI Results

TABLE 5d - ITEM 4

Polymorphisms from Anderson Reference

	16183.0	16189.0	16193.0	16223.0	16260.0	16323.0	16327.0	16376.0	16380.0	16381.0	16383.0
ITEM 4											
4QCVE2	C	C		T	T		T	N			
972VRU	C	C		T	T		T				
9L6XWW	C	C		T	T		T				
AXRBHB	C	C		T	T		T				
BDY3QU	C	C		T	T		T				
CARDCP	C	C		T	T		T				
D9HGUR	C	C		T	T	N	T		N	N	
DDRP8P	C	C		T	T		T				
DEPKYD	C	C		T	T		T				
EVQEMJ	C	C		T	T		T				
H6KRAN	C	C		T	T		T				
JE4NUL	C	C		T	T		T		N		
K2UG4E	C	C		T	T		T				
KFDUQM	C	C		T	T		T				
MLTENJ	C	C		T	T		T				
NRFKZK	C	C		T	T		T				
NXLDUF	C	C		T	T		T				
PAC86N	C	C		T	T		T				
QG7VWC	C	C		T	T		T				
QQRZ4C	C	C		T	T		T				
RRM397	C	C		T	T		T				R
U4CGPE	C	C	LHP	T	T		T				
UFZPY2	C	C		T	T		T				
UZPY69	C	C		T	T		T				
V6ZCM8	C	C		T	T		T				
V9YNJ8	C	C		T	T		T				
VACFDA	C	C		T	T		T				
XEHC7	C	C		T	T		T				
XYJN22	C	C		T	T		T				
YGVYWY	C	C		T	T		T				

Mitochondrial DNA - HVRI Results

TABLE 5e

Bases Sequenced: HVR I

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
4QCVE2	16024-16391	16024-16389	Inconclusive	16024-16389
8GMMVL	16000-16569	16000-16569		
972VRU	16000-16386	16000-16386	NA	16000-16386
9L6XWW	16024-16569	16024-16569	16024-16391	16024-16569
AXRBHB	16004-16386	16000-16386	15999-16386	15998-16390
BDY3QU	16024-16569	16024-16569	16024-16391	16024-16569
CARDCP	16003-16404	16003-16402	15998-16404	15998-16394
D9HGUR	16024-16391	16024-16389	16024-16391	16024-16388
DDRP8P	16011-16404	16006-16404	16027-16404	15998-16404
DEPKYD	16024-16365	16024-16365	16024-16365	16024-16365
EVQEMJ	16001-16569	16015-16569	Not Reported	16001-16390
H6KRAN	16003-16386	16000-16386	NA	16003-16386
JE4NUL	16024-16569	16024-16569	16024-16391	16024-16388
K2UG4E	16024-16569	16024-16569	16024-16569	16024-16569
KFDUQM	15998-16390	16001-16386		16001-16386
MLTENJ	16017-16385	16017-16386	NA	16000-16386
NRFKZK	16024-16391	16024-16389	16024-16391	16024-16389
NXLDUF	16024-16391	16026-16389	16024-16391	16024-16390
PAC86N	15994-16400	15994-16400	Mixture	15994-16400
QG7VWC	15998-16390	16017-16386		16000-16385
QQRZ4C	16015-16385	16001-16384	NA	16000-16385
RRM397	16001-16569	16001-16569		16001-16388
U4CGPE	16024-16569	16024-16569	16024-16569	16024-16569
UFZPY2	16024-16365	16024-16365	not analysed	16024-16365
UZPY69	16005-16390	16017-16375	NA	16013-16385
V6ZCM8	16005-16387	16023-16385	NA	16001-16386
V9YNJ8	16003-16385	16000-16385	NA	16000-16385
VACFDA	16024-16391	16024-16383	16024-16391	16024-16389
XECHC7	16001-16381	16024-16385	NA	16024-16381
XYJN22	16001-16569	16001-16569	Not Reported	16001-16388
YGVYWY	16000-16392	16000-16392		16000-16392

Mitochondrial DNA - HVRII Results

TABLE 6a - ITEM 1

Polymorphisms from Reference Sequence

	73.0	150.0	152.0	182.0	186.0	189.0	195.0	247.0	249.0	263.0	297.0	315.1	316.0	449.0	523.0	524.0
ITEM 1																
4QCVE2	G	T	C	T	A	C	C	A DEL		G	G	C INS	A			
8GMMVL	G	T	C	T	A	C	C	:		G	G	C	A			
972VRU	G	T	C	T	A	C	C	A	-	G	G	C	A			
9L6XVW	G	T	C	T	A	C	C	DEL		G	G	CINS	A		DEL	DEL
AXRBHB	G	T	C	T	A	C	C	-		G	G	C	A			
BDY3QU	G	T	C	T	A	C	C	G DEL		G	G	C INS	A		A DEL	C DEL
CARDCP	G	T	C	T	A	C	C	-		G	G	C	A			
D9HGUR	G	T	C	T	A	C	C	-		G	G	CINS	A	N		
DDRP8P	G	T	C	T	A	C	C	-		G	G	C	A			
DEPKYD	G	T	C	T	A	C	C	DEL		G	G	C	A			
EVQEMJ	G	T	C	T	A	C	C	D		G	G	C	A		D	D
H6KRAN	G	T	C	T	A	C	C	A	-	G	G	C	A			
JE4NUL	G	T	C	T	A	C	C	DEL		G	G	C INS	A		DEL	DEL
K2UG4E	G	T	C	T	A	C	C	DEL		G	G	C	A		DEL	DEL
KFDUQM	G	T	C	T	A	C	C	A	DEL	G	G	C	A			
MLTENJ	G	T	C	T	A	C	C	A	-	G	G	C	A			
NRFKZK	G	T	C	T	A	C	C	G DEL		G	G	C INS	A			
NXLDUF	G	T	C	T	A	C	C	-		G	G	C INS	A			
PAC86N	G	T	C	T	A	C	C	:		G	G	C	A			
QG7VW	G	T	C	T	A	C	C	A	-	G	G	C INS.	A			
QQRZ4C	G	T	C	T	A	C	C	A	DEL	G	G	C	A			
RRM397	G	T	C	T	A	C	C	D		G	G	C	A		D	D
U4CGPE	G	T	C	T	A	C	C	DEL		G	G	C	A		DEL	DEL
UFZPY2	G	T	C	T	A	C	C	DEL		G	G	C	A			
UZPY69	G	T	C	T	A	C	C	A	-	G	G	C	A			
V6ZCM8	G	T	C	T	A	C	C	A	-	G	G	C	A			
V9YNJ8	G	T	C	T	A	C	C	A	-	G	G	C	A			
VACFDA	G	T	C	T	A	C	C	G DEL		G	G	C INS	A			
XECHC7	G	T	C	T	A	C	C	A	-	G	G	C	A			
XYJN22	G	T	C	T	A	C	C	D		G	G	C	A		D	D
YGVYWY	G	T	C	T	A	C	C	DELG		G	G	C	A			

Mitochondrial DNA - HVRII Results

TABLE 6b - ITEM 2

Polymorphisms from Reference Sequence

	51.0	52.0	73.0	150.0	189.0	200.0	263.0	309.1	315.1
ITEM 2									
4QCVE2	N	N	G	T	G	G	G	C INS	C INS
8GMMVL			G	T	G	G	G	C	C
972VRU			G	T	G	G	G	C	C
9L6XWW			G	T	G	G	G	CINS	CINS
AXRBHB			G	T	G	G	G	C	C
BDY3QU			G	T	G	G	G	C INS	C INS
CARDCP			G	T	G	G	G	C	C
D9HGUR			G	T	G	G	G	CINS	CINS
DDRP8P			G	T	G	G	G	C	C
DEPKYD			G	T	G	G	G	C	C
EVQEMJ			G	T	G	G	G	C	C
H6KRAN			G	T	G	G	G	C	C
JE4NUL			G	T	G	G	G	C INS	C INS
K2UG4E			G	T	G	G	G	C	C
KFDUQM			G	T	G	G	G	C	C
MLTENJ			G	T	G	G	G	C	C
NRFKZK			G	T	G	G	G	C INS	C INS
NXLDUF			G	T	G	G	G	C INS	C INS
PAC86N			G	T	G	G	G	C	C
QG7VWC			G	T	G	G	G	C INS.	C INS.
QQRZ4C			G	T	G	G	G	C	C
RRM397			G	T	G	G	G	C	C
U4CGPE			G	T	G	G	G	C	C
UFZPY2			G	T	G	G	G	C	C
UZPY69			G	T	G	G	G	C	C
V6ZCM8			G	T	G	G	G	C	C
V9YNJ8			G	T	G	G	G	C	C
VACFDA			G	T	G	G	G	C INS	C INS
XEHC7			G	T	G	G	G	C	C
XYJN22			G	T	G	G	G	C	C
YGVYWY			G	T	G	G	G	C	C

Mitochondrial DNA - HVRII Results

TABLE 6c - ITEM 3

Polymorphisms from Reference Sequence

	73.0	150.0	152.0	182.0	186.0	189.0	195.0	247.0	263.0	297.0	315.1	316.0	523.0	524.0
ITEM 3														
9L6XWW	G	T	C	T	A	C	C	DEL	G	G	CINS	A		
AXRBHB	G	T	C	T	A	C	C	-	G	G	C	A		
BDY3QU	G	T	C	T	A	C	C	G DEL	G	G	C INS	A		
CARDCP	G	T	C	T	A	C	C	-	G	G	C	A		
D9HGUR	G	T	C	T	A	C	C	-	G	G	CINS	A		
DDRP8P	G	T	C	T	A	C	C	-	G	G	C	A		
JE4NUL	G	T	C	T	A	C	C	DEL	G	G	C INS	A		
K2UG4E	G	T	C	T	A	C	C	DEL	G	G	C	A	DEL	DEL
NRFKZK	G	T	C	T	A	C	C	G DEL	G	G	C INS	A		
NXLDUF	G	T	C	T	A	C	C	-	G	G	C INS	A		
VACFDA	G	T	C	T	A	C	C	G DEL	G	G	C INS	A		

Mitochondrial DNA - HVRII Results

TABLE 6d - ITEM 4

Polymorphisms from Anderson Reference

	51.0	73.0	150.0	189.0	200.0	263.0	309.1	315.1
ITEM 4								
4QCVE2	N	G	T	G	G	G	C INS	C INS
972VRU		G	T	G	G	G	C	C
9L6XWW		G	T	G	G	G	CINS	CINS
AXRBHB		G	T	G	G	G	C	C
BDY3QU		G	T	G	G	G	C INS	C INS
CARDCP		G	T	G	G	G	C	C
D9HGUR		G	T	G	G	G	CINS	CINS
DDRP8P		G	T	G	G	G	C	C
DEPKYD		G	T	G	G	G	C	C
EVQEMJ		G	T	G	G	G	C	C
H6KRAN		G	T	G	G	G	C	C
JE4NUL		G	T	G	G	G	C INS	C INS
K2UG4E		G	T	G	G	G	C	C
KFDUQM		G	T	G	G	G	C	C
MLTENJ		G	T	G	G	G	C	C
NRFKZK		G	T	G	G	G	C INS	C INS
NXLDUF		G	T	G	G	G	C INS	C INS
PAC86N		G	T	G	G	G	C	C
QG7VWC		G	T	G	G	G	C INS.	C INS.
QQRZ4C		G	T	G	G	G	C	C
RRM397		G	T	G	G	G	C	C
U4CGPE		G	T	G	G	G	C	C
UFZPY2		G	T	G	G	G	C	C
UZPY69		G	T	G	G	G	C	C
V6ZCM8		G	T	G	G	G	C	C
V9YNJ8		G	T	G	G	G	C	C
VACFDA		G	T	G	G	G	C INS	C INS
XEHC7		G	T	G	G	G	C	C
XYJN22		G	T	G	G	G	C	C
YGVYWY		G	T	G	G	G	C	C

Mitochondrial DNA - HVRII Results

TABLE 6e

Bases Sequenced: HVR II

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
4QCVE2	35-464	42-464	Inconclusive	39-464
8GMMVL	1-390	1-390		
972VRU	52-399	52-399	NA	52-399
9L6XWW	1-576	1-576	35-464	1-576
AXRBHB	50-401	50-406	50-406	50-407
BDY3QU	1-576	1-576	35-369	1-576
CARDCP	49-407	49-407	49-407	49-407
D9HGUR	35-464	35-464	35-464	39-464
DDRP8P	49-407	49-407	49-407	49-407
DEPKYD	73-340	73-340	73-340	73-340
EVQEMJ	1-536	1-525	Not Reported	39-368
H6KRAN	51-399	51-399	NA	51-399
JE4NUL	1-576	1-576	35-369	39-464
K2UG4E	1-576	1-576	1-576	1-576
KFDUQM	49-407	51-407		51-407
MLTENJ	52-399	52-395	NA	52-399
NRFKZK	35-464	39-464	35-464	42-464
NXLDUF	35-464	39-464	35-464	39-464
PAC86N	35-409	35-409	Mixture	35-409
QG7VWC	49-407	66-399		52-399
QQRZ4C	52-399	66-399	NA	73-383
RRM397	1-536	1-536		41-361
U4CGPE	1-574	1-574	1-574	1-574
UFZPY2	73-340	73-340	not analysed	73-340
UZPY69	49-407	73-383	NA	56-371
V6ZCM8	51-399	51-399	NA	51-399
V9YNJ8	52-399	52-399	NA	52-399
VACFDA	35-369	39-369	35-369	39-369
XEHC7	54-399	52-399	NA	54-384
XYJN22	1-543	1-536	Not Reported	35-361
YGVYWY	20-420	20-420		20-420

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 7

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
22XJW	No Interpretations Reported, DNA Analyzed for Database purposes only.				2YQ6PP	Yes	No	No	Yes
23FU9N	Yes	No	No	Yes	2Z6QZC	Yes	No	No	Yes
24AF2E	Yes	No	No	Yes	32Y6DA	Yes	No	No	Yes
26XVRV	No Interpretations Reported, DNA Analyzed for Database purposes only.				342NZ4	No	No	No	Yes
2AUKP9					34XKCC	Yes	No	No	Yes
2DXP8M	Yes	No	No	Yes	36CG4H	Yes	No	No	Yes
2E3PZ3	Yes	No	No	Yes	3773WA	Yes	No	No	Yes
2E8XEG	Yes	No	No	Yes	3ABCXJ	Yes	No	No	Yes
2H8RAH	Yes	No	No	Yes	3AKXC7	Yes	No	No	Yes
2J2D4A	Yes	No	No	Yes	3BGDMH	Yes	No	No	Yes
2JXZ8Z	Yes	No	No	Yes	3DAPLA	Yes	No	No	Yes
2KPFMX	Yes	No	No	Yes	3FJQQF	Yes	No	No	Yes
2L2XHT	Yes	No	No	Yes	3HFPWU	Yes	No	No	Yes
2M2NYA	Yes	No	No	Yes	3LH799	Yes	No	No	Yes
2MWGJU	Yes	No	No	Yes	3MDVJG	Yes	No	No	Yes
2P8QN9	Yes	No	No	Yes	3MWQ2J	Yes	No	No	Yes
2QH4BM	Yes	No	No	Yes	3NMY2	Yes	No	No	Yes
2RQMAD	Yes	No	No	Yes	3QF34N	Yes	No	No	Yes
2RUTQT	Yes	No	No	Yes	3TNXJR	Yes	No	No	Yes
2RY23L	Yes	No	No	Yes	3UHKF4	Yes	No	No	Yes
2WJEBZ	Yes	No	No	Yes	3UV3AA	Yes	No	No	Yes
2WN7DW	Yes	No	No	Yes	3UZNVG	Yes	No	No	Yes
2WR8DH	Yes	No	No	Yes	3Z2D64	No	No	No	Yes
2XHWJB	Inc	No	No	Yes	3Z4LC9	Yes	No	No	Yes
2XWJTD	Yes	No	No	Yes	3ZEK7G	Yes	No	No	Yes
					42MEMW	Yes	No	No	Yes

TABLE 7

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
42T3AM	Yes	No	No	Yes	6EHF8H	Yes	No	No	Yes
43NQK7	Yes	No	No	Yes	6FDVKF	Yes	No	No	Yes
44WFUN	Yes	No	No	Yes	6GGE33	Yes	No	No	Yes
44X3X2	Yes	No	No	Yes	6HAXTN	Yes	No	No	Yes
46C7UD	Yes	No	No	Yes	6KFQX3	Yes	No	No	Yes
46UM39	Yes	No	No	Yes	6KHQ8V	Yes	No	No	Yes
47ND72	Yes	No	No	Yes	6MRQEN	Yes	No	No	Yes
48487G	Yes	No	No	Yes	6Q76H4	Yes	No	No	Yes
4CQMEF	Yes	No	No	Yes	6R34WM	Yes	No	No	Yes
4D6H7U	Inc	No	No	Yes	6RH6W4	Yes	No	No	Yes
4DMQWA	Yes	No	No	Yes	6RXQ76	Yes	No	No	Yes
4DP967	Yes	No	No	Yes	6TZAE3	Yes	No	No	Yes
4GM7GD	Yes	No	No	Yes	6U3NN9	Yes	No	No	Yes
4GZZWE	Yes	No	No	Yes	6UADAD	Yes	No	No	Yes
4JPA39	Yes	No	No	Yes	6V3REC	Yes	No	No	Yes
4Q87ZA	Yes	No	No	Yes	6VY8QA	Yes	No	No	Yes
4Q9BND	Yes	No	No	Yes	6WTHE3	Yes	No	No	Yes
4QCVE2	Inc	No	Inc	Yes	6XPXPE	Yes	No	No	Yes
4V269D	Yes	No	No	Yes	7233W8	Yes	No	No	Yes
62L46Y	Yes	No	No	Yes	73EA9V	No Interpretations Reported, DNA Analyzed for Database purposes only.			
62NCC4	Yes	No	No	Yes	73GDZ7	Yes	No	No	Yes
63Y8ZG	Yes	No	No	Yes	74PFXY	Yes	No	No	Yes
66TTU8	Yes	No	No	Yes	74UUBY	Yes	No	No	Yes
68NDBQ	Yes	No	No	Yes	77YM3C	Yes	No	No	Yes
68WDT2	Yes	No	No	Yes	78NMQU	Yes	No	No	Yes
6AXJ97	Yes	No	No	Yes	7DYXJ3	Yes	No	No	Yes
6BAQHA	Yes	No	No	Yes	7EUFL6	Yes	No	No	Yes
6DGVQ9	Yes	No	No	Yes					

TABLE 7

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
7F4799	Yes	No	No	Yes	8FXC4T	Yes	No	No	Yes
7F7DQ9	Yes	No	No	Yes	8GMMVL				
7GBN74	Yes	No	No	Yes	8GTU7U	Yes	No	No	Yes
7HR3BL	Yes	No	No	Yes	8JZJYJ	Yes	No	No	Yes
7J4U33	Yes	No	No	Yes	8LLYYY	Yes	No	No	Yes
7JMPK6	Yes	No	No	Yes	8N7TRT	Yes	No	No	Yes
7KV2ZK	No Interpretations Reported, DNA Analyzed for Database purposes only.				8TQEL7	Yes	No	No	Yes
7KX2AF	Yes	No	No	Yes	8ULXN8	Yes	No	No	Yes
7LA9L3	Yes	No	No	Yes	8UUFMX	Yes	No	No	Yes
7NW334	Yes	No	No	Yes	8UXJBN	Yes	No	No	Yes
7NXV6H	Yes	No	No	Yes	8VAQNC	Yes	No	No	Yes
7PPBHT	No Interpretations Reported, DNA Analyzed for Database purposes only.				8Z9MA3	Yes	No	No	Yes
7U39PF	Yes	No	No	Yes	934B6X	Yes	No	No	Yes
7UFBK9	Yes	No	No	Yes	972VRU		No	No	Yes
7X394R	No Interpretations Reported, DNA Analyzed for Database purposes only.				986N2F	Yes	No	No	Yes
84P3LF	Yes	No	No	Yes	99R8JM	Yes	No	No	Yes
863G84	Yes	No	No	Yes	99U9QK	Yes	No	No	Yes
86Z93K	Yes	No	No	Yes	9B43MK	Yes	No	No	Yes
8ADGGN	No Interpretations Reported, DNA Analyzed for Database purposes only.				9CUJMK	Yes	No	No	Yes
8AQDLT	Yes	No	No	Yes	9EGFEE	Yes	No	No	Yes
8ATRH3	Yes	No	No	Yes	9F8MBW	Yes	No	No	Yes
8B76N7	Yes	No	No	Yes	9FTE73	Inc	No	No	Yes
8E6YH8	Yes	No	No	Yes	9J2QNH	Yes	No	No	Yes
8EQFWN	Yes	No	No	Yes	9L3BFH	Yes	No	No	Yes
8F2FTH	Yes	No	No	Yes	9L6XWW	Yes	No	No	Yes
8FFQMG	Yes	No	No	Yes	9LKU9A	Yes	No	No	Yes
					9LYXLV	Yes	No	No	Yes
					9MDACD	Yes	No	No	Yes

TABLE 7

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
9PHL6D	Yes	No	No	Yes	AZYF4C	Yes	No	No	Yes
9QTBHX	Yes	No	No	Yes	B2CGHY	Yes	No	No	Yes
9U4YEG	Yes	No	No	Yes	B6PD79	Yes	No	No	Yes
9V9DFA	Yes	No	No	Yes	B72FT3	Yes	No	No	Yes
9W3Y9Z	Yes	No	No	Yes	B7XV6Y	Yes	No	No	Yes
9WGX3D	Yes	No	No	Yes	B8R7R7	Yes	No	No	Yes
9Y8NBA	Yes	No	No	Yes	BAKX6X	Yes	No	No	Yes
A2BE33	Yes	No	No	Yes	BBU8TP	Yes	No	No	Yes
A8FKV7	Yes	No	No	Yes	BDEG7Q	Yes	No	No	Yes
A8ZQ4P	Inc	No	No	Yes	BDY3QU	Yes	No	No	Yes
A9ARBH	Yes	No	No	Yes	BET3FR	Yes	No	No	Yes
AA3PEH	Yes	No	No	Yes	BGGXFK	Yes	No	No	Yes
AA8XUX	Yes	No	No	Yes	BJPYMC	Yes	No	No	Yes
ACAHKX	Yes	No	No	Yes	BM6D9X	Yes	No	No	Yes
AD6MPB	Yes	No	No	Yes	BNGC47	Yes	No	No	Yes
ADLEP3	Yes	No	No	Yes	BPFBNZ	Yes	No	No	Yes
ADPD7B	Yes	No	No	Yes	BPVU7C	Yes	No	No	Yes
AEKV8C	Yes	No	No	Yes	BRWEYX	Yes	No	No	Yes
AFNM37	Yes	No	No	Yes	C4PXD4	Yes	No	No	Yes
AJUYA8	Yes	No	No	Yes	C6HZUQ	Yes	No	No	Yes
AK3RN2	Yes	No	No	Yes	C6TWUC	Yes	No	No	Yes
AKL78P	Inc	No	No	Yes	C8NGBV	Yes	No	No	Yes
AM8HW2	Yes	No	No	Yes	C9KH4K	Yes	No	No	Yes
AMPHRQ	Inc	No	Inc	Yes	C9KH77	Yes	No	No	Yes
AQ9U3V	Yes	No	No	Yes	CAE4YX	Yes	No	No	Yes
AQPAV3	Yes	No	No	Yes	CARDCP	Yes	No	No	Yes
AXDTF7	Yes	No	No	Yes	CAYZAC	Yes	No	No	Yes
AXRBHB	Yes	No	No	Yes	CBUHBD	Yes	No	No	Yes

TABLE 7

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
CEPAJA	Yes	No	No	Yes	DYC3YX	Yes	No	No	Yes
CFKWTT	Yes	No	No	Yes	DYR2YW	Yes	No	No	Yes
CGJVC2	Yes	No	No	Yes	DZN2U8	Yes	No	No	Yes
CGXBG3	Yes	No	No	Yes	E2BF3W	Yes	No	No	Yes
CHBBPD	Yes	No	No	Yes	E7NF39	Yes	No	No	Yes
CHTUJ4	Yes	No	No	Yes	ECYM28	Yes	No	No	Yes
CLPD83	Yes	No	No	Yes	EDM8JW	Yes	No	No	Yes
CM2R24	Yes	No	No	Yes	EEY6VT	Yes	No	No	Yes
CNZC6B	Yes	No	No	Yes	EHH2GX				
CPP7JL	No Interpretations Reported, DNA Analyzed for Database purposes only.				EHZHN8	Yes	No	No	Yes
CQFMGZ	Yes	No	No	Yes	EJCHK2	Yes	No	No	Yes
CQJFN2	Yes	No	No	Yes	ELQWUB	Yes	No	No	Yes
D22PFR	Yes	No	No	Yes	EQF26K	No Interpretations Reported, DNA Analyzed for Database purposes only.			
D2YGB9	Yes	No	No	Yes	EQJ6WV	Yes	No	No	Yes
D38282	Yes	No	No	Yes	ET2EY2	Yes	No	No	Yes
D7CPPD	Yes	No	No	Yes	ETMJ72	Yes	No	No	Yes
D9HGUR	Yes	No	No	Yes	ETVTUT	Yes	No	No	Yes
DACZHR	Yes	No	No	Yes	EVQEMJ		No		Yes
DATL2N	Yes	No	No	Yes	EW8PZC	Yes	No	No	Yes
DDRP8P	Yes	No	No	Yes	EXB48W	Yes	No	No	Yes
DEPKYD	Yes	No	No	Yes	EZ3JXD	Yes	No	No	Yes
DF4VTC	Yes	No	No	Yes	EZ3LMG	Yes	No	No	Yes
DQ2YW7	Yes	No	No	Yes	EZMBU4	Yes	No	No	Yes
DRR7UN	Yes	No	No	Yes	F38QFW	Yes	No	No	Yes
DVTMGD	Yes	No	No	Yes	F4DT4V	Yes	No	No	Yes
DW2UJ7	Yes	No	No	Yes	F4HHJ7	Yes	No	No	Yes
DXZB6W	Yes	No	No	Yes	F4Z4ZH	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 7

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
F6RR8W	Yes	No	No	Yes	GQ9WH8	Yes	No	No	Yes
F73HL8	Yes	No	No	Yes	GR29ED	No Interpretations Reported, DNA Analyzed for Database purposes only.			
F78YJ7	Yes	No	No	Yes	GUQJ77	Yes	No	No	Yes
F9Q34W	Yes	No	No	Yes	GYZC8C	Yes	No	No	Yes
FAMQVN	Yes	No	No	Yes	H2F93F	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FFR7HV	Yes	No	No	Yes	H6KRAN		No	No	Yes
FG7QB7	Yes	No	No	Yes	H8RF3D	Yes	No	No	Yes
FHZB9D	Yes	No	No	Yes	H9MX4E	Yes	No	No	Yes
FLFTBF	Yes	No	No	Yes	HB866M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FLFTD2	Yes	No	No	Yes	HBQANF	Yes	No	No	Yes
FM72BJ	Yes	No	No	Yes	HC3PTL	Yes	No	No	Yes
FMBV66	Yes	No	No	Yes	HDH3KP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FMCAND	Yes	No	No	Yes	HEAHX2	Yes	No	No	Yes
FRPWDB	Yes	No	No	Yes	HER2RR	Yes	No	No	Yes
FRRUH6	Inc	No	No	Yes	HFFZWW	Yes	No	No	Yes
FTH3H9	Yes	No	No	Yes	HJQ7UC	Yes	No	No	Yes
FTWEC8	Yes	No	No	Yes	HLBZNR	Yes	No	No	Yes
FU8FX7	Yes	No	No	Yes	HLT2EZ	Yes	No	No	Yes
FXR6HH	Inc	No	No	Yes	HM2XM6				
FY78DC	Yes	No	No	Yes	HMGMP	Yes	No	No	Yes
FZX6PP	Yes	No	No	Yes	HNC7YR	Yes	No	No	Yes
GA4VXY	Yes	No	No	Yes	HNWGN7	Yes	No	No	Yes
GAZPHK	Yes	No	No	Yes	HQH3GU	Yes	No	No	Yes
GDG8LM	Yes	No	No	Yes	HQKD7Q	Yes	No	No	Yes
GK4G96	Yes	No	No	Yes	HRVD9C	Yes	No	No	Yes
GKJPAR	Yes	No	No	Yes	HWQ3R6	Yes	No	No	Yes
GKZXZ8	Yes	No	No	Yes					
GM6YAZ	Yes	No	No	Yes					

TABLE 7

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
HX6GB8	No Interpretations Reported, DNA Analyzed for Database purposes only.				KNPE3C	Yes	No	No	Yes
HZ8ELZ	Yes	No	No	Yes	KT7W9Z	Yes	No	No	Yes
J4283V	Yes	No	No	Yes	KTHHUV	Yes	No	No	Yes
J4HJK2	Yes	No	No	Yes	KWLA3V	Yes	No	No	Yes
J4Z3DR	Yes	No	No	Yes	KWZQ72	Yes	No	No	Yes
J7E6P7	Yes	No	No	Yes	KXGXD4	Yes	No	No	Yes
J7T4TB	Yes	No	No	Yes	KY97D8	Yes	No	No	Yes
JC332Z	Yes	No	No	Yes	KZ69FQ	Yes	No	No	Yes
JE4NUL	Yes	No	No	Yes	KZYX3D	Inc	No	Inc	Yes
JFY7VM	Yes	No	No	Yes	L7HEEN	Yes	No	No	Yes
JHMM6V	Yes	No	No	Yes	L7QMQ3	Yes	No	No	Yes
JKQBM7	Yes	No	No	Yes	L8YVP2	Yes	No	No	Yes
JLPG7K	Yes	No	No	Yes	L99B63	Yes	No	No	Yes
JXWYQE	Yes	No	No	Yes	LB2PTX	Yes	No	No	Yes
K2UG4E	Yes	No	No	Yes	LBX8K2	Yes	No	No	Yes
K3R2FY	Yes	No	No	Yes	LCRXQF	Yes	No	No	Yes
K4H9DG	Yes	No	No	Yes	LE3QUV	Yes	No	No	Yes
K788HM	Yes	No	No	Yes	LEFAPL				
K7M9KN	Yes	No	No	Yes	LJ8BH8	Yes	No	No	Yes
K7RZY6	Yes	No	No	Yes	LJAGW2	Yes	No	No	Yes
KBHV3W	Yes	No	No	Yes	LJD2LP	Yes	No	No	Yes
KCW9VY	Yes	No	No	Yes	LKLMAK	Yes	No	No	Yes
KDTBYH	Yes	No	No	Yes	LKM3HW	Yes	No	No	Yes
KEXQWV	Yes	No	No	Yes	LMEUWM	Yes	No	No	Yes
KFDUQM	Yes	No	No	Yes	LQAT4R	Yes	No	No	Yes
KKP7Y2	Yes	No	No	Yes	LUNVZH	Yes	No	No	Yes
KL332L	Yes	No	No	Yes	LUQDQ8	Yes	No	No	Yes
					LV3K4V	Yes	No	No	Yes

TABLE 7

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
LWVDYD	Yes	No	No	Yes	MY2EXW	Yes	No	No	Yes
M2PYFL	Yes	No	No	Yes	MY6YNK	Yes	No	No	Yes
M68RHU	Yes	No	No	Yes	MYZQ96	Yes	No	No	Yes
M69623	Yes	No	No	Yes	MZDUT4	Yes	No	No	Yes
M6JNNY	Yes	No	No	Yes	N4PMB2	Yes	No	No	Yes
M6PBCL	Yes	No	No	Yes	N4UXEK	Yes	No	No	Yes
M72363	No Interpretations Reported, DNA Analyzed for Database purposes only.				N7XCPQ	Yes	No	No	Yes
M7KTDM	Yes	No	No	Yes	N89CJZ	Yes	No	No	Yes
M7XHGY	Yes	No	No	Yes	N8Q3U6	Yes	No	No	Yes
MAEEUB	Yes	No	No	Yes	NAHKAQ	Yes	No	No	Yes
MBW9W7	Yes	No	No	Yes	NEDE67	Yes	No	No	Yes
MCN89J	Yes	No	No	Yes	NGY79W	Yes	No	No	Yes
MCQDQJ	Yes	No	No	Yes	NHA8WV	Yes	No	No	Yes
MCRBX9	Yes	No	No	Yes	NHRANP	Yes	No	No	Yes
MDMQA7	Yes	No	No	Yes	NLUWE8	Yes	No	No	Yes
MFNB3R	Yes	No	No	Yes	NM74RV	Yes	No	No	Yes
MGXKQH	Yes	No	No	Yes	NP6AW7	Yes	No	No	Yes
MKXWLH	Yes	No	No	Yes	NPAHCL	Yes	No	No	Yes
MLTENJ		No	No	Yes	NQNQEU	Yes	No	No	Yes
MM446A	Yes	No	No	Yes	NQZQ94	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MQ3HQE	Yes	No	No	Yes	NRFKZK	Yes	No	No	Yes
MQ6N7U	Yes	No	No	Yes	NTAQFV	Yes	No	No	Yes
MQKAFV	Yes	No	No	Yes	NV8XC8	Yes	No	No	Yes
MRYX3B	Yes	No	No	Yes	NVBB7V	Yes	No	No	Yes
MUP8YX	Yes	No	No	Yes	NVTUZL	Yes	No	No	Yes
MWPHRD	Yes	No	No	Yes	NW6LUN	Yes	No	No	Yes
MX8T66	Yes	No	No	Yes	NXLDUF	Yes	No	No	Yes

TABLE 7

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
NZRY38	Yes	No	No	Yes	QB3R9Y	Yes	No	No	Yes
P2JYHC	Yes	No	No	Yes	QBYEEB	Yes	No	No	Yes
P2ZM2W	Yes	No	No	Yes	QG7VWC	Yes	No	No	Yes
P3CDXU	Yes	No	No	Yes	QGMD8Q	Yes	No	No	Yes
P4PXR	Yes	No	No	Yes	QGPVU	Yes	No	No	Yes
P888V	Yes	No	No	Yes	QH2EYD	Yes	No	No	Yes
P92X2B	Yes	No	No	Yes	QJRPP7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
P9696U	Yes	No	No	Yes	QKTUNU	Yes	No	No	Yes
P9G6BY	Yes	No	No	Yes	QMBG29	Yes	No	No	Yes
PAC86N	Yes	No	No	Yes	QMDVJF	Yes	No	No	Yes
PB8P7P	Yes	No	No	Yes	QPGQ3J	Yes	No	No	Yes
PC2FBJ	Yes	No	No	Yes	QQRZ4C		No	No	Yes
PDE86K	Yes	No	No	Yes	QR9NNW	Yes	No	No	Yes
PJUXGE	Yes	No	No	Yes	QT47PX	Yes	No	No	Yes
PK8H9N	Yes	No	No	Yes	QTGWL	Yes	No	No	Yes
PQXUBC	No Interpretations Reported, DNA Analyzed for Database purposes only.				QTKGBJ	Yes	No	No	Yes
PRT7WK	Yes	No	No	Yes	QXEART	Yes	No	No	Yes
PTPAZT	Yes	No	No	Yes	QY6GPB	Yes	No	No	Yes
PVPMBY	Yes	No	No	Yes	QZLNYY	Yes	No	No	Yes
PVU7Y3	Yes	No	No	Yes	R4W4XP	Yes	No	No	Yes
PXK276	Yes	No	No	Yes	R68HEQ	Yes	No	No	Yes
PZNFFB	No Interpretations Reported, DNA Analyzed for Database purposes only.				R6QU46	Yes	No	No	Yes
Q2FQTP	Yes	No	No	Yes	R7PCCF	Yes	No	No	Yes
Q2TTNG	Yes	No	No	Yes	R8EM49	Yes	No	No	Yes
Q3LGTD	Yes	No	No	Yes	R8WETP	Yes	No	No	Yes
Q9ZBAN	Yes	No	No	Yes	R9RXVQ	Yes	No	No	Yes
QAQH87	Yes	No	No	Yes	RB2X3J	Yes	No	No	Yes

TABLE 7

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
RBWX6J	Yes	No	No	Yes	TKJPAT	Yes	No	No	Yes
RGHVRL	Yes	No	No	Yes	TLEHYK	Yes	No	No	Yes
RHEB4H	Yes	No	No	Yes	TQNKXA	Yes	No	No	Yes
RHGEUT	Yes	No	No	Yes	TTY9UT	Inc	No	No	Yes
RM8ZDF	Yes	No	No	Yes	TUPZGD	Yes	No	No	Yes
RMWUFE	Yes	No	No	Yes	TWYL7K	Yes	No	No	Yes
RN2386	Yes	No	No	Yes	TXJ7RA	Yes	No	No	Yes
RR3UBG	Yes	No	No	Yes	TY3GQM	Yes	No	No	Yes
RRM397		No		Yes	TYJMYL	Yes	No	No	Yes
RTU8ZA	Yes	No	No	Yes	TZYX3K	Yes	No	No	Yes
RUYYPEP	Yes	No	No	Yes	U3VKXE	Yes	No	No	Yes
RY4UXP	Yes	No	No	Yes	U4CGPE	Yes	No	No	Yes
RYY4JA	Yes	No	No	Yes	U4Q3YG	Yes	No	No	Yes
RYYLJB	Yes	No	No	Yes	U7FTHE	Yes	No	No	Yes
RYZJT7	Yes	No	No	Yes	U7TBCJ	Yes	No	No	Yes
RZGGL7	Yes	No	No	Yes	UB7V3Y	No Interpretations Reported, DNA Analyzed for Database purposes only.			
RZV3V8	Yes	No	No	Yes	UDVTY7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
T4FLMC	Yes	No	No	Yes	UE67XY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
T7JG9Z	Yes	No	No	Yes	UF389X	Yes	No	No	Yes
T8BFKD	Yes	No	No	Yes	UFZPY2	Yes	No	No	Yes
T9LEG8	Yes	No	No	Yes	UGV4V7	Yes	No	No	Yes
TALYHU	Yes	No	No	Yes	UHQMW8	Yes	No	No	Yes
TCMJBF	Yes	No	No	Yes	UHR6MW	Yes	No	No	Yes
TCR7Y2	Yes	No	No	Yes	UJ4BZK	Yes	No	No	Yes
TF8N6P	Yes	No	No	Yes	UK3THU	Yes	No	No	Yes
TGKAQK	No	No	No	Yes	UKX6V3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TJ6P8L	Yes	No	No	Yes					
TJNZYK	Yes	No	No	Yes					

TABLE 7

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
UMMYMH	Yes	No	No	Yes	W6FCJM	Yes	No	No	Yes
UQ44G8	Yes	No	No	Yes	W7T2KE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UTMP22	Yes	No	No	Yes	W88LDN	Yes	No	No	Yes
UTTENR	Yes	No	No	Yes	W8ZZGM	Yes	No	No	Yes
UVEXZ6	Yes	No	No	Yes	WAM8RN	Yes	No	No	Yes
UYUZ6U	Yes	No	No	Yes	WD9WC2	Yes	No	No	Yes
UYZYGQ	Yes	No	No	Yes	WDMP4H	Yes	No	No	Yes
UZPY69		No	No	Yes	WEFRK7	Yes	No	No	Yes
V48JRN	Yes	No	No	Yes	WFRF7R	Yes	No	No	Yes
V6ZCM8	No Interpretations Reported, DNA Analyzed for Database purposes only.				WGG2WH	Yes	No	No	Yes
V6ZW6L	Yes	No	No	Yes	WJC8HU	Yes	No	No	Yes
V86XED	Yes	No	No	Yes	WRNUJN	Yes	No	No	Yes
V9YNJ8		No	No	Yes	WUEM7D	Yes	No	No	Yes
VACFDA	Yes	No	No	Yes	WUY4LF	Yes	No	No	Yes
VCH2KZ	Yes	No	No	Yes	WVTR2Q	Yes	No	No	Yes
VDDUAR	Yes	No	No	Yes	WXAG4E	Yes	No	No	Yes
VEPGWD	Yes	No	No	Yes	WXC9VV	Yes	No	No	Yes
VERBDX	Yes	No	No	Yes	WXEY2D	Yes	No	No	Yes
VGTE3Y	Yes	No	No	Yes	X4CFZ3	Yes	No	No	Yes
VJ2FAR	Yes	No	No	Yes	X4DBJ9	Yes	No	No	Yes
VJH6BD	Yes	No	No	Yes	X6RARJ	Yes	No	No	Yes
VLAK2U	Yes	No	No	Yes	X9AA6E	Yes	No	No	Yes
VP8YNK	Yes	No	No	Yes	XD646Z	Yes	No	No	Yes
VT9HFK	Yes	No	No	Yes	XDLKFE	Yes	No	No	Yes
VTLFKN	Yes	No	No	Yes	XECHC7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VUFZDF	Yes	No	No	Yes	XEZL82	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VUZADN	Yes	No	No	Yes					

TABLE 7

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
XFR3EA	No Interpretations Reported, DNA Analyzed for Database purposes only.				YMRZKD	Yes	No	No	Yes
XHWV7M	Yes	No	No	Yes	YNZT2R				
XJRE8N	Yes	No	No	Yes	YPC2DE	Yes	No	No	Yes
XKLE2	Yes	No	No	Yes	YQN9P3	Yes	No	No	Yes
XLT2L8	Yes	No	No	Yes	YTQ4A6	Yes	No	No	Yes
XMP8CZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				YVGEZX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
XPE4UJ	Yes	No	No	Yes	YVXBRX	Yes	No	No	Yes
XQRPNF	Yes	No	No	Yes	YZDTVZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
XV337D	Yes	No	No	Yes	YZVB7E	Yes	No	No	Yes
XV3NXZ	Yes	No	No	Yes	Z4RJL9	Yes	No	No	Yes
XWJW8N	Yes	No	No	Yes	Z7J7QH	Yes	No	No	Yes
XX8GPD	Inc	No	No	Yes	Z9LKZN	Yes	No	No	Yes
XYJN22		No		Yes	ZAE7FD	Yes	No	No	Yes
XZFY2B	Yes	No	No	Yes	ZBQFH7	Yes	No	No	Yes
Y49MT2	Yes	No	No	Yes	ZC2FGL	Inc	No	No	Yes
Y6P64F	Yes	No	No	Yes	ZDFA8Z	Yes	No	No	Yes
Y7F3Z8	Yes	No	Yes	Yes	ZF3J99	Yes	No	No	Yes
Y7XXKU	Yes	No	No	Yes	ZFZJK2	Yes	No	No	Yes
Y8Y7B8	Yes	No	No	Yes	ZG2ZQH	Yes	No	No	Yes
YC7WDD	Yes	No	No	Yes	ZKFPX9	Yes	No	No	Yes
YDHHY9	Yes	No	No	Yes	ZM2BQV	Inc	No	No	Yes
YFBEKL	Yes	No	No	Yes	ZNXBTV	Yes	No	No	Yes
YFM989	Yes	No	No	Yes	ZPPPE6	Yes	No	No	Yes
YGVYWY	Yes	No	No	Yes	ZQH DJ2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
YGZQBE	Yes	No	No	Yes	ZRC69T	Yes	No	No	Yes
YJLWU6	Yes	No	No	Yes	ZRYNWT	Yes	No	No	Yes
YLCPJY	Yes	No	No	Yes	ZRYVUE	Yes	No	No	Yes

TABLE 7

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
Z TTLZU	Yes	No	No	Yes					
Z T X T F 9	Yes	No	No	Yes					
Z V H U 8 A	Yes	No	No	Yes					
Z V X 7 P E	Yes	No	No	Yes					
Z V Y Y R T	Yes	No	No	Yes					
Z W R W V T	Yes	No	No	Yes					
Z W W 6 B 9	Yes	No	No	Yes					
Z X Z C 3 Z	Yes	No	No	Yes					
Z Y 2 Z R Q	Yes	No	No	Yes					
Z Y C J F N	Yes	No	No	Yes					
Z Y Y P 2 9	Yes	No	No	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 659		
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>					
Responses		Victim (Item 1)		Suspect (Item 2)	
		Item 3	Item 4	Item 3	Item 4
	Yes	594	0	1	620
	No	3	620	613	0
	Inc	14	0	3	0

Participants not reporting Interpretation results: 39

Additional Comments

TABLE 8

WebCode	Additional Comments
24AF2E	Two separate cuttings were taken for two different differential extractions processed at two different times. Both samples yielded negative quantitation results in the epithelial fraction. A third differential was performed this time swabbing the stained area and a DNA profile was successfully obtained for the epithelial fraction. Based on this information, it is likely a chemical in the substrate was inhibiting the DNA extraction step. Recommendation: wash fabrics before spotting biological material to remove manufacturer chemicals.
2AUKP9	No interpretations performed. Proficiency used for screening purposes only.
2DXP8M	DNA consistent with having originated from the male contributor of the sperm fraction of Item 3 was also detected in the epithelial fraction of Item 3. DNA consistent with having originated from the female contributor of the epithelial fraction of Item 3 was also detected in the sperm fraction of item 3.
2QH4BM	In addition to "spillback" from 3sp, a single minor peak (allele 17) was detected in item 3e at D18S51. This single minor peak is not suitable for interpretation.
2RY23L	Note that N,0 used at item 3 D7 (10,0) and Amelogenin (X,0). This indicates a low level peak below our homozygote threshold.
2WR8DH	Identifiler plus and minifiler results were concordant with the following exception: Item #3 epithelial fraction D18S51: 1DP = 14a, 19a and minifiler = 14,18,19. 18 allele in Identifiler Plus (IDP) was clicked off as stutter.
2XHWJB	Item 3 was subjected to differential extraction for epithelial and sperm fractions. DNA was not detected in the epithelial fraction. Microscopic exam of the sperm showed that the color and morphology of the sperm was not normal. Sperm fraction yielded very low amounts of DNA resulting in low peaks in the electropherogram. The sperm fraction indicates a major male contributor with a trace contributor. Alleles of the trace contributor at D21S11, TH01, and D13S317 indicated the presence of victim but are inconclusive. Overall the samples (all of them) yielded low amounts of DNA.
2YQ6PP	The DNA profile from item 1 had a 17 allele (254 rfu) called at D18S51. The 17 allele is consistent with n-8 stutter (2.1%) from the 19 allele (12,245 rfu). According to the PowerPlex Fusion Technical Manual, stutter products are occasionally observed two repeat units smaller than the true allele peak. The DNA profile from the sperm fraction of item 3 had a 20 allele (325 rfu) called at vWA. It is possible that this is n+4 stutter (5.1%) from the 19 allele (6,407 rfu) or it could be an indication of possibly a 3rd donor. Beyond this called type, there are no other indications of a 3rd donor.
2Z6QZC	No STR results obtained for substrate controls.
36CG4H	Item 3 did not result in interpretable results for the sperm fraction after two extractions. The second extraction did result in an interpretable profile for the non-sperm fraction, however several loci were not suitable for use in statistics as dropout was indicated. Partial Yfiler profiles were obtained from both sperm and non-sperm fractions on the re-extraction. Extraction 1 used ~5mm x 5mm of sample and resulted in the following: S fraction human quant value of 0.0115 pg/uL, male quant value 0.0074 pg/uL. No ID+ results were obtained other than a single allele at one locus. Partial Yfiler results obtained (12 loci). E fraction human quant value of 0.0086 pg/uL, no male quant value obtained. No ID+ results were obtained other than an X peak at Amelo. Extraction 2 used ~2cm x 1.5cm of sample and resulted in the following: S fraction human quant value of 0.0050 pg/uL, male quant value 0.0016 pg/uL. Interpretable ID+ results were not obtained; total 8 alleles plus X at Amelo typed. Partial YF results obtained (6 loci). E fraction human quant value of 0.0192 pg/uL, male quant value 0.0121 pg/uL. Interpretable results were obtained for ID+ but incomplete genetic information at some loci. Partial YF results obtained (10 loci, DYS385 incomplete). During both DNA extractions of Item 3, spermatozoa were not observed. Two heads were observed in serological screening. A third extraction was not performed as it would consume the remaining sample provided.
3MDVJG	For the sperm fraction of item 3, parenthesis were added to the D18S51 and D7S820 loci to indicate that the alleles could not be major/ minored per our SOP. We would report the minor alleles as being

TABLE 8

WebCode	Additional Comments
	completely consistent and belonging to the owner and an unknown male in the major component. I tabled the major per SOP.
3QF34N	possible elevated stutter present in item 3-sp (victim's underwear-sperm fraction) @ D12S391 - the allele call of 23 is possible n-4 stutter; the acceptable stutter percentage is $\leq 15.8\%$; the stutter percentage present @ D12S391 is 17.2%
3Z2D64	Stain "3" seemed bloody and was taken from the victim's underwear. As the stain could have been taken from the crotch area of the underwear, where there is likely to be blood, I decided not to test it. A positive brentamine result may not have been visible, due to the presence of the blood. The exclusion result obtained from item "3" was not duplicated due to the small size of the stain. Therefore a partial profile I4 was obtained from epithelial friction[sic] taken from item 4. This is an acceptable result as a full profile was obtained from blood taken from item 4.
3Z4LC9	Two separate extractions were performed (EZ1 robotic and Qiagen manual) on sample 3. The results reported are based on the extraction that gave the most information. The probabilistic genotyping software STRmix® was used on the epithelial fraction of sample 3 and sample 4. We reported out all possible alleles generated in the Genotype Probability Distribution output files. Manual Mixture Deconvolution was used on the sperm fraction of sample 3.
3ZEK7G	^ on allele chart indicates allele below stochastic threshold
44WFUN	Item 3 was extracted twice as the first extraction yielded a low amount of total DNA for both the non-sperm and sperm fractions. The second extraction yielded more DNA and this extraction was reported. Elevated stutter was observed in item 1 at locus D21S11 (13.9%). Elevated stutter was observed in item 2 at loci DYS635 (13.1%) and DYS385 (18.4%). Elevated stutter was observed in item 4 at locus DYS385 (16.4%)
4D6H7U	No definitive DNA typing results were obtained from #3 F1 fraction. Due to limited genetic information, this profile is unsuitable for comparison purposes. All alleles fell below our laboratory's stochastic threshold, possibly caused by inhibition, so the presence or absence of the victim could not be determined. The suspect is excluded from #3 F2 fraction, therefore the suspect is excluded from the F1 fraction even though no definitive DNA typing results were obtained.
4DMQWA	The epithelial fraction from item 3 only yielded a partial profile. This does coincide with the low microscopic count of epithelial cells (ie only one epi cell was identified during extraction prior to digestion and no white blood cells were seen). The probabilistic genotyping software STRmix was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files (which could include stutter peaks).
4GM7GD	1) Saliva testing is a non-routine test and only conducted on request by the investigating officer. 2) On page 5, please disregard the response for: "Did you perform a differential extraction of Item 3?" under the section "YSTR Amplification Kit Used For Item 3".
4GZZWE	Saliva test is not routinely carried out. It is only performed when specifically requested for by the client.
4JPA39	Item #3 Screening: ALS - negative
4Q87ZA	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files. Every attempt was made to obtain conclusive loci for statistical purposes for Item 3 including multiple extractions, reinjection, re-amplification, dilution and clean up of the samples.
4QCVE2	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
6DGVQ9	Item 3 was extracted on three different days using Erase and no profile was obtained for the sperm or epithelial cell fractions. Sperm cells were observed for the three extractions. The sample was also extracted using TNE and a profile was obtained for both the sperm and epithelial cell fractions.
6FDVKF	Item 3 EP-Identifiler Plus results: The minor 17 allele at D18S51 was deemed inconclusive (INC) due to

TABLE 8

WebCode	Additional Comments
	elevated baseline and broad morphology. Laboratory policy allows for analyst discretion, based on training and experience, in the selection of screening methods. Laboratory policy also allows an analyst to deem a DNA peak as inconclusive when there is ambiguity on whether or not it is an artifact or allele.
6MRQEN	A low-level peak was detected in the n-8 position for locus D18S51 in item 1. There is no indication of a second contributor; therefore, this peak is n-8 and an artifact of item 1.
6Q76H4	SP - sperm fraction; M48 = MagAttract robotic DNA extraction; SP fraction was derived from a differential extraction. The epithelial fraction was insufficient for amplification. A second extraction, M48, was performed[sic] and all alleles from that extraction are being reported. The M48 derived alleles can be explained with a mixture of DNA from the victim and the unknown male contributor found in the sperm fraction. The 17 allele at D18S51 appears to be stutter, but would not be edited out by our protocols.
6RXQ76	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files. 2 separate extractions were performed (EZ1 robotic and Qiagen manual) on sample 3. The results reported are based on the extraction that gave the most information. Results reported for sample 3 epi are based on a partial Y-STR profile.
6U3NN9	Item 3, e-cell fraction: Reporting allele calls only.
6UADAD	Laboratory policy allows for analyst discretion, based on training and experience, in the selection of screening tests being performed.
6XPXE	STRMix mixture interpretation software was utilized for item 3 (sperm cell fraction and epithelial cell fraction) and 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.
6ZAM9Q	For Biology Screening only.
73GDZ7	I soaked in PBS overnight for both samples. The epithelial fraction of this test had a zero human quant value, (using QuantDuo), and a male quant value of 0.0228 with an IPC of 30.49. The sperm fraction had a human quant value of 0.118, male quant of 0.215, and an IPC of 31.09. No cells were microscopically identified and no peaks were developed using PP16HS (5 of 5x concentration) on a 3130. Very little debris was found in the cell pellet with Christmas Tree Staining. Spermatozoa were microscopically identified in the cell and sperm pellets and a full profile was developed from the sperm fraction. I reported the sperm fraction from this sample. The second test I performed a differential on was user code: [Code]. There was less debris and fewer spermatozoa visible upon microscopic exam of the cell pellet in comparison to the first test. I was able to develop a profile with at least one allele at each locus of the epithelial fraction, but was only able to develop a partial profile (11 out of 15 loci) from the sperm fraction of this test. The human quant of the epithelial fraction for this test was 0.00247, 0 male quant, IPC 31.51. The human quant of the sperm fraction for this test was 0.0533 male 0.0984, IPC 31.26. I reported the epithelial fraction of this sample.
7DYXJ3	Difficulty in getting a profile initially even with more than one amplification had to go back and cut a much larger portion of the stain for Item 3 to develop a profile for the epithelial fraction.
7F4799	1. Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. 2. Item 3 and Item 4 were extracted using chelex extraction method. 3. DNA quantification was carried out using Quantifiler Human DNA Quantitation Kit on 7500 Real-Time PCR. 4. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus Kit. 5. Amplification of Y-STR was carried out using AmpFISTR Y-File Amplification Kit. 6. Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzer with GeneMapper ID Software. 7. Reagent blank, positive control and negative control were carried out throughout the analysis.
7F7DQ9	Item three contained an inhibitor that competed/prevented the DNA present in the epithelial (non-sperm) fraction from binding to the paramagnetic beads in the QIAGEN DNA Investigator Kit extraction chemistry. A cutting from item three was processed for a differential extraction. The epithelial fraction gave low quantification results (0.0002 ng/ul for autosomal and 0.0 ng/ul for Y quantification). The epithelial

TABLE 8

WebCode	Additional Comments
	<p>fraction for item three was amplified with PowerPlex Fusion and PowerPlexY23. The typing results obtained from the epithelial fraction were consistent with the quantification results (one allele called at D13S317 for PowerPlex Fusion; approximately 0.003 ng amplified) and no haplotype obtained for PowerPlex Y23 (0 ng in 17.5 ul amplified). The sperm fraction from item three yielded a DNA profile from two individuals, the semen donor and carry over from the blood from the epithelial fraction (victim item 1). The sperm fraction undergoes multiple washes as part of the laboratory's differential extraction process. The washes more than likely removed the inhibitor present allowing the DNA present in the sperm fraction to bind to the paramagnetic beads. A second differential extraction was conducted on item three. Two samples from item three, a cutting and a swab of the blood/semen stain, were processed for a differential extraction. The epithelial fraction from the cutting yielded similar quantification result as the first extraction (0.0002 ng/ul for autosomal and 0.0001 ng/ul for Y quantification). The epithelial fraction from the swab of item three yielded higher quantification results. (0.0146 ng/ul for autosomal and 0.0025 ng/ul for Y quantification). The epithelial fraction from the swab of item three was taken on for amplification (0.22 ng amplified with PowerPlex Fusion and 0.044 ng amplified with PowerPlex Y23). A DNA profile from two individuals was obtained for PowerPlex Fusion and a single haplotype was obtained for PowerPlex Y23 from the swab of item three. With PowerPlex Fusion allele drop-out and masking of alleles in stutter positions was observed in the epithelial fraction and masking of allele 16 by stutter was observed at D22S1045 in the sperm fraction. For PowerPlex23 no result (NR) was obtained for DYS389-I and DYS393 in the epithelial fraction. Carry-over is observed in both the epithelial and sperm fraction. The victim (item 1) would be deduced as the major profile and the semen donor as the minor profile for the epithelial fraction of item 3. The semen donor would be deduced as the major profile and the victim (item 1) would be deduced as the minor profile in the sperm fraction.</p>
7HR3BL	<p>Item 1 (Identifiler Direct) and Item 3e (Identifiler Plus) results: The minor 17 allele at D18S51 was deemed inconclusive (INC) due to being a possible stutter artifact (n-8) and there are being no further indication of an additional contributor to the samples. Laboratory policy allows for analyst discretion, based on training and experience, in the selection of screening methods. Laboratory policy also allows an analyst to deem a DNA peak as inconclusive when there is ambiguity on whether or not it is an artifact or allele.</p>
7J4U33	<p>The sample quality for item 3 for this test was extremely poor. I typically need to take a larger sample for proficiency tests than a normal case anyway, but in this case, I could not obtain a complete epithelial fraction without using almost the entire stain for item #3 (cut over 3/4 of the stain). Based on performing 4 extractions from two different item #3 swatches, and doing a total of 26 different amplifications of these samples, it appears that item #3 had either very low or very fragile/damaged/degraded white blood cells in the blood portion of the sample.</p>
7JMPK6	<p>The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files. 2 separate extractions were performed (EZ1 robotic and Qiagen manual) on sample 3 (victim's underwear). The results reported are based on the extraction that gave the most information.</p>
7NW334	<p>The probabilistic genotyping software STRmix was used on this proficiency. We report out all possible alleles generated in the Genotype Probability Distribution output file.</p>
7NXV6H	<p>inc - inconclusive, means that there is one peak present below the analytical threshold of 50 RFUs. nr - no results obtained, means that an allele call was not made at this locus.</p>
7X394R	<p>No Y-STR or Mitochondrial tests performed on items 1 or 2. No tests performed on items 3 or 4.</p>
86Z93K	<p>Elevated stutter was observed in the Fusion data for the following samples: Item 1 @D21S11 (elevated 30 peak @13%, up to 11.6% n-4 stutter allowed); Item 3(EF) @D5S818 (elevated 12 peak @9.7%, up to 9.5% n-4 stutter allowed). This peak was not reproducible in a second injection of item 3(EF) at the same injection time. In addition, a minor 17 peak was observed in the Fusion data for item 3(EF) @D18S51. This peak is not in a stutter position and was not in the corresponding sperm fraction data for the same sample. It is a possible artifact (secondary structure?) or additional DNA type and was reproducible in a second injection of item 3(EF) at the same injection time. Elevated stutter was observed in the Y23 data for the following samples: Item 2 @DYS385 (elevated 20 peak @15.8%, up to 15% n-4 stutter allowed); Item 3(EF) @DYS549 (elevated 13 peak @16.4%, up to 11% n-4 stutter allowed) and @DYS458</p>

TABLE 8

WebCode	Additional Comments
	(elevated 17 @3%, up to 2% n+4 stutter allowed); Item 3(SF) @DYS549 (elevated 13 peak @11.8%, up to 11% n-4 stutter allowed); Item 4 @DYS385 (elevated 20 peak @16.7%, up to 15% n-4 stutter allowed).
8ADGGN	This examiner is competent in biological screening and known standard DNA testing. Therefore DNA analysis was not performed on the unknown samples.
8ATRH3	Item 3 was problematic for our laboratory. Upon examining the cell pellet during the differential extraction, not many epithelial (or white blood cells) were observed under the microscope. Instead of continuing to mix blood and seminal fluid as a mock sexual assault type sample, I would prefer CTS to use a buccal swab spiked with seminal fluid. This would be a better representation of a true sexual assault type casework sample. For screening results on Item 3: Semen screens were positive with PSA (p30 cards) and semen was confirmed with a microscopic examination (identification of sperm heads). These two tests override[sic] the Acid Phosphatase results per our Laboratory's SOP. [Name] [Laboratory]
8N7TRT	N/A = not applicable. XY = male. XX = female. [] = minor allele. -- = possible allele(s) below analytical threshold. □ = locus contains allele(s) below stochastic threshold.
8UUFMX	Item 3 epithelial fraction sample was not typed with the PowerPlex Y23 kit due to low DNA yield in the sample The sample was only typed with with[sic] the PowerPlex Fusion 5C kit. As such no results were reported for the epithelial fraction. * = Inconclusive for the presence of additional allele(s)
934B6X	NR = No Results. PowerPlex Fusion and Yfiler results were concordant at DYS391 for all items tested.
972VRU	The Missing Person's Unit reports all mixtures as inconclusive; therefore, no interpretation was made between item 1 and item 3.
9F2TZC	No DNA analysis performed. Body Fluid Identification only.
9F8MBW	Inclusion of the victim on item 3 refers to the epithelial fraction of item 3. *-Inconclusive for the presence of additional allele(s).
9FTE73	Serology of item 3 included positive results for both blood (KM) and semen (AP, PSA, Micro). Many sperm observed under micro after F1 digestion, but the morphology of the sperm cells was abnormal with a more "flattened" shape. The quant. for item 3F1 (ep) fraction did not detect human auto or Y-DNA, so (per lab protocol) no DNA analysis was done after quant. for this fraction. Item 3F2 (sp) fraction had very low human auto and Y-DNA compared to number of sperm observed, requiring concentration to minimum volume allowed for DNA analysis. The analysis results for item 3F2 (sp) fraction was a mixture of a major male and a trace contributor. The trace alleles detected at six loci indicate the victim as a contributor to item 3 but are insufficient to report as conclusive per our interpretation guidelines.
9L3BFH	Elevated stutter was observed as follows: Item 2: DYS385 20 allele at 16.6% n-4 (15% allowed) Item 3e: D18S51 17 allele at 18.8% n-4 (14.6% allowed) Item 3sp: vWA 18 allele at 12.6% n-4 (11.2% allowed) Item 4: FGA 25 allele at 0.98% n+4 (not defined by locus) DYS533 13 allele at 12.9% n-4(11% allowed) DYS385 20 allele at 17.8% n-4 (15% allowed)
9LYXLV	Item 3 F2: D7 and Y GATA H4 locus dropout, FGA allele dropout; additional investigation continues
9V9DFA	Items 3 and 4 - Test for saliva is not routinely performed for sexual assault cases unless requested for by investigation officer.
A8FKV7	The Identifiler Plus STR data reported on pages 5 and 6 [Table 2 - Amplification Kit(s) & STR Results, Items 3 & 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the non-sperm fraction of item 3 includes peaks that would have been filtered under a conventional analysis paradigm. This included: D8S1179 (13 allele), D3S1358 (15 allele), D18S51 (18 allele), and D5S818 (12 allele). Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes. Drop-out was included in possible minor donor genotypes at the following loci for

TABLE 8

WebCode	Additional Comments
	the non-sperm fraction of item 3: D8S1179, D21S11, CSF1PO, D19S433, TPOX, D18S51, and D5S818.
A8ZQ4P	I believe the material used for item #3 is causing inhibition. This sample was extracted by cutting and by swabbing. Neither extraction gave a full profile for the F1 fraction therefore it could not be used to determine the presence of the victim or suspect. The suspect was excluded from item #3 F2 as noted above.
AD6MPB	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction. Minifiler was also used to amplify all samples. Concordant results were obtained with items 1, 2 and 4 and the sperm fraction of item 3 for Identifiler Plus and Minifiler. For the non-sperm fraction of item 3, the following results were obtained for the D21, D16, D2 and FGA loci in Minifiler: D21: 29,[30],31; D16: [11], 12, 13; D2: [17], [19], 20, 21; FGA: [21.2], 22, [23]. For the non-sperm fraction of item 3, the following results were obtained for the D21, D16, D2 and FGA loci in Identifiler Plus: D21: [28], 29, [30], 31; D16: 12,13; D2: [17], 20, 21; FGA: 22. All remaining loci for the non-sperm fraction of item 3 had concordant results for Identifiler Plus and Minifiler.
ADPD7B	Item 3 sperm fraction: only major component alleles are reported in table; minor component is not suitable for comparison.
AEKV8C	This proficiency test was done by the DNA analyst in training who has been signed off to perform only the laboratory hands-on portions of DNA analysis.
AJUYA8	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
AKL78P	No definitive DNA typing results were obtained from the F1 fraction of Item 3. Due to the limited genetic information available, this profile is unsuitable for comparison purposes. All alleles are below the stochastic threshold for our lab, possibly due to inhibition, which is why the presence or absence of Victim cannot be determined.
AMPHRQ	N/A = not applicable. No results = no detectable DNA profile. XX = female. XY = Male. Based on results obtained, the victim is excluded from the sperm fraction of Item 3. No results were obtained from the sampled portion of the epithelial fraction. Therefore, no conclusions could be made. Based on the results obtained, the suspect is excluded from the sperm fraction of Item 3. No results were obtained from the sampled portion of the epithelial fraction. Therefore, no conclusions could be made. No nucleated epithelial cells were observed during microscopic exam, but a differential extraction was still performed.
AQPAV3	Key: NR - No result
AXDTF7	Every attempt was made utilizing laboratory protocols to obtain a full profile for Item 3 epithelial fraction. Inhibition present in the sample. Probabilistic Genotyping software (STRmix) used for interpretation.
AXRBHB	KM performed by DNA analyst, all other screening tests performed by forensic biologist. Item 3 (e) for Identifiler Plus and Minifiler are concordant @ D7S820 (IDP 10, MF 10,11), @ D13S317 (IDP 11,12 MF 11,12,13), @ D16S539 (IDP 12,13 MF 11,12,13), @ D2S1338 (IDP 19,20,21 MF 17,19,20,21), @ D18S51 (IDP 19, MR 18,19), @ FGA (IDP 22,23 MF 21.2, 22,23). All Minifiler & ID+ profiles concordant.
B6PD79	The Minifiler profile results were consistent with the alleles detected with the Identifiler Plus profile for sample 16-572G Item 3-SP.
B72FT3	*DNA Result* = Inconclusive. (DNA Result) = Peak height intensity less than stochastic threshold. For Item 3e, major contributor designated at the following loci: D3S1358, D19S433, vWA, TPOX, D5S818, and amelogenin.
B7XV6Y	For item 3, a differential extraction and a M48 robotic extraction were performed. The alleles obtained for the sperm cell fraction are included on the top line labeled "sp". A mixture was obtained from the M48 extracted sample from item 3. For the line labeled "M48", the deconvoluted minor contributor from this

TABLE 8

WebCode	Additional Comments
	mixture was entered. This minor female contributor was deconvoluted from the mixture by assuming the male donor obtained from the sperm cell fraction.
BDEG7Q	□ = locus contains allele(s) below stochastic threshold. [] = minor allele. -- = possible allele(s) below analytical threshold. NA = not applicable.
C6HZUQ	Item 3 F1 allele dropout in TPOX; result not reported; additional investigation continuing
C6TWUC	For the epithelial fraction of Item 3 a partial profile was obtained. At FGA the results are reported as 22,0 indicating that the 22 allele was below this laboratory's stochastic threshold. Item 4 was also amplified using SGM+ and MiniFiler. Results concordant with the Identifiler profile were obtained from these two kits. Note that Item 2 was amplified using PowerPlex-Y to ensure the proficiency of a laboratory technician who carries out PowerPlex-Y amplifications for the reference workstream. Items 3 and 4 were not amplified via PowerPlex-Y as this analyst does not report YSTR results.
C8NGBV	^ = Peaks seen below stochastic threshold as per [Laboratory] Policy. # = The associated sperm fraction was subtracted out as per [Laboratory] policy.
CARDCP	Items #1 and #3: "-" = a deletion with respect to the revised Cambridge Reference Sequence. Items #2 and #4: At 303-309, presence of 7, 8, and 9 Cs.
CAYZAC	NR = No Result
CBUHBD	All samples amplified with Identifiler and GlobalFiler kits. GlobalFiler results reported because they provided more information. Results were consistent between Identifiler and GlobalFiler, although the following alleles were detected with GlobalFiler that were not detected by Identifiler: D18551 -18, TH01 -7, for sample 3C-KLA1 NSF (epithelial fraction of Item 3).
CLPD83	1. Item 1 and Item 2 were extracted using in-situ method and amplified using Identifiler Direct in the 9700 thermal cycler. 2. Item 3 and Item 4 were extracted using Chelex Extraction[sic]. Then it was quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification was done using AmpFISTR Identifiler Plus Kit. 3. Item 1, Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 Thermal Cycler[sic]. 4. Electrophoresis process were carried out by Genetic Analyzer 3130xl for Item 1 to Item 4. 5. Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
CPP7JL	No Y-STR or Mitochondrial tests were performed on Items 1 or 2. No tests were performed on Items 3 or 4.
CQFMGZ	Item 1 and Item 2 were extracted using in-situ method and amplified using Identifiler Direct in the 9700 thermal cycler. 2. Item 3 and Item 4 were extracted using chelex extraction method and quatified[sic] using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification was done using AmpFISTR Identifiler Plus Kit. 3. Item 1, Item 2, Item 3 and Item 4 were amplified using YFiler Kit in the 9700 thermal cycler. 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.
DATL2N	Used 16-572.3-S to distinguish stutter in 16-572.3-E.
DDRP8P	Item 1: "-" denotes deletion. Item 2: at 303-309 in HV2, presence of 7, 8 and 9 Cs. Item 3: "-" denotes deletion. Item 4: at 303-309 in HV2, presence of 7, 8 and 9 Cs
DEPKYD	This is an additional comment for the mitochondrial DNA testing of item 3. Sequencing was done for item 3, however, it is unreportable due to mixture. The interpretation for item 3 with regards to mtDNA testing is inconclusive. The interpretation for item 4 with regards to mtDNA testing is in line with the interpretation for PP21 results, that is Victim (against Item 4) is a No, and Suspect (against Item 4) is a Yes.
DQ2YW7	Minifiler results concordant with ID Plus. Additional alleles called in MiniFiler from sample carryover as follows. Item 3epi: 8 at D13; 11,12 at D7; 28,30 at D21;11 at D16. Item 3sp: 12 at D13.
DYC3YX	Analyzed using STRmix probabilistic software. STRmix probabilistic genotyping software was used to

TABLE 8

WebCode	Additional Comments
	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.
DYR2YW	Epithelial cell fraction for item 3 yielded insufficient DNA for both autosomal and YSTR typing. Substrate remains fraction was used and yielded mixtures of DNA as reported (ID28).
DZN2U8	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction. Concordant results were obtained with items 3 and 4 for Identifiler Plus and Minifiler with the exception of item 3NS (Minifiler)- D13: 11,12,[13]; D2: [19],20,21; D21: 29,31; D18: 19; and FGA: 22,[23].
ECYM28	All MF results concordant w/ IDP results except: 3-31 e: MF no 13 @ D13, MF called Y @ amelo, MF called 17 & 19 @ D2, MF called 28 @ D21.
ET2EY2	Evidence profiles were interpreted using a probabilistic genotyping approach, aided by STRmix software. Unable to obtain profile for the epithelial cell fraction using Qiagen EZ1 Investigator kit (2 attempts). Profile was obtained with QIAamp DNA kit.
ETMJ72	The Identifiler Plus STR data reported on pages 5 through 6 [Table 2 - Amplification Kit(s) & STR Results, Items 3 & 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, the STRmix results for the non-sperm fraction of Item 3 included peaks that would have been filtered under a conventional analysis paradigm. This included: D8S1179 (13 allele); D3S1358 (15 allele); D19S433 (13 allele); TPOX (9 allele); D18S51 (18 allele); and D5S818 (12 allele). Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes. Drop-out was included in possible minor donor genotypes at the following loci for the non-sperm fraction of Item 3: D8S1179, D21S11, CSF1PO, D3S1358, TH01, D16S539, D2S1338, D19S433, VWA, TPOX, D18S51, and D5S818.
ETVTUT	Item 4 was also analyzed using our high sensitivity DNA procedures in addition to our regular procedures. High sensitivity DNA testing results are concordant with the reported results.
EVQEMJ	Items 1 and 2 were processed for STR database purposes. Items 3 and 4 were not processed for STR analysis. Items 1,2,3 and 4 were processed for mtDNA analysis. A serological evaluation was not performed as it is not necessary to determine the method of processing for mtDNA analysis. A differential extraction, designed to separate sperm heads from epithelial cells, was not performed since it cannot separate mtDNA from multiple contributors. A mixed mtDNA profile was obtained from Item 3 and the data is not reported because there is no validated protocol for the deconvolution of a mixed mtDNA profile. Therefore, no interpretation can be made regarding the comparison between items 1 and 3 and items 2 and 3.
F4HHJ7	^ = Allele below stochastic threshold
FG7QB7	This proficiency test was done by the DNA analyst in training who has been signed off to perform only the laboratory hands-on portions of DNA analysis.
FLFTD2	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
FTWEC8	^ =Allelic activity below the stochastic threshold (200 RFUs). NR=No interpretable result. *=May be attributable to elevated stutter. Item 4 was extracted once differentially and once using a non-differential method. The results from the differential extraction are included in this data sheet. The results for the non-differential extraction are consistent with the epithelial fraction of the results included in this report.
FU8FX7	^ = allele below stochastic threshold. Item 3: Male DNA detected (Plexor HY). Item 4: Male DNA detected (Plexor HY).
FXR6HH	Item 03 was extracted and run as a differential sexual assault sample. The epithelial fraction from this sample gave no DNA profile while the sperm fraction gave a mixed profile consisting of DNA from at least

TABLE 8

WebCode	Additional Comments
	two individuals. I extracted the sample a second time in order to confirm these results and again obtained no DNA profile from the epithelial fraction of the sample (and an undetermined Quantifiler Trio value at the Small Autosomal target for the epithelial fraction) and obtained a partial DNA profile from the sperm fraction. Since more alleles were obtained from the first extraction of Item 03, that sample was used to report results for this test. With regard to comparing the victim to the mixed profile obtained on the sperm fraction of Item 03, there are alleles in common with the victim present in the profile and the scenario states that the sample was collected from the victim's underwear. However, if the victim is actually included in the sample there are alleles dropping out at some of the larger loci in the profile and I felt more comfortable calling the comparison inconclusive.
FY78DC	*Item 1 contains a 17 peak at genetic locus D18S51 that may be an artifact, or a possible true allele. **The non-sperm/epithelial fraction of Item 3 contains a 17 peak at genetic locus D18S51 that may be an artifact, or a possible true allele.
FZX6PP	Item 3, the victim's yellow underwear, was extracted 3 times in order to detect the full female victim's profile in the E30 fraction. A composite profile was used for the final interpretation for the D3S1358 locus. The 16 allele was clearly labeled (278 and 283 RFU) in the first extraction, and not labeled in the 2nd extraction[sic]. CTS was notified of the on-going issue of generating a full DNA profile from their blood stains. (13-584 and 14-571 both were extracted 3-4 times as well).
GA4VXY	Evidence profiles were interpreted using a probabilistic genotyping approach, aided by STRmix software. The semen screening test on item 3 was positive for AP, Micro, and PSA. However, the semen screening test on item 3 was negative for ALS. Positive semen is my final conclusion for the semen screening test on item 3. Item 3 required a re-extraction using a different extraction procedure. Originally extracted robotically in E21, then manually extracted using QIAamp.
GAZPHK	N/A = not applicable. XY = male. XX = female. [] = minor allele. -- = possible allele(s) below analytical threshold. □ = locus contains allele(s) below stochastic threshold.
GK4G96	Note: All screening tests performed by a Forensic Biologist. KM testing repeated by this DNA analyst. Identifiler Plus and MiniFiler results were concordant.
GM6YAZ	The Identifiler Plus STR data reported on pages 5 through 6 are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results may include alleles that would have been filtered under a conventional analysis paradigm. Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes. All MiniFiler STR results are concordant with the Identifiler Plus results at the corresponding loci.
H2F93F	No Mitochondrial tests performed on Items 1 or 2. No tests performed on Items 3 or 4.
H6KRAN	Missing Persons unit reports all mixtures as inconclusive; therefore, no interpretation was made between item 1 and item 3.
H9MX4E	1. I received notification that my proficiency test was ready for pickup on 3/17/16 and I started analysis on 3/23/16. 2. I began extraction on 3/25/16 of items 3 and 4. The quant for my Item 3 epi fraction was very low. 3. During data analysis on 3/29/16 it was discovered that I had one allele detected in my epi so I re-extracted a larger cutting of Item 3 on 3/30/16. 4. The quant for my re-extraction was still very low, but during data analysis I detected a mixture of DNA with a major male profile. The minor was uninterpretable per our procedures. The amp of the epi fraction was full volume so I could not reamp to try and bring up the minor. 5. I re-extracted Item 3 for a second time, this time consuming the sample (cuttings were from around the edges). The quant was Undetected and there were no alleles detected during data analysis in my epi fraction. 6. I was able to detect DNA in all three extractions of my Item 3 sperm fractions. a. The first re-extraction had enough carryover that I was able to reamp my sperm fraction and pull the minor up to an interpretable level. 7. I brought my issues to the attention of my technical leader and quality assurance manager. It was determined that I was able to make conclusions on both Items 3 and 4 so I sent my case to review. 8. While at training on 4/14/16 it was brought to my attention

TABLE 8

WebCode	Additional Comments
	that another laboratory was having the sample problem with their epi fractions so they requested new samples. I brought this to the attention of my technical leader and quality assurance manager.
HLT2EZ	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
HM2XM6	No comparisons were performed. No analysis was performed on items 3 and 4.
HNWGN7	An extraneous allele (17) was detected in the epithelial (E) fraction of Item 3 at locus D18S51. This allele is not consistent with carryover from the sperm (S) fraction. It is in a stutter position but the stutter percentage is greater than 20%. In addition, the 17 allele cannot be attributed to the analyst assigned to this proficiency test. DNA analysis was performed on two different samples of Item 3 (a sample originally assigned to the analyst and an additional sample that had to be requested from CTS): The original sample received had a low DNA concentration (EF = 0.6647ng/μL, SF = 0.0087ng/μL) which yielded a mixture profile for the E fraction (no 17 allele detected) and a partial profile for the S fraction (only 2 loci had alleles called). As per our procedure manual, the sample was re-run with increased injection times, and a microcon procedure was performed. The following results were obtained: E fraction: additional alleles were detected after increasing the injection time, including a 17 at D18S51; S fraction: no further information was obtained after increasing the injection time and the microcon procedure. The remaining portion of the Item 3 stain was then extracted but did not yield any results in the S or E fractions. A second sample was requested from CTS and it yielded a higher concentration of DNA (EF = 1.79ng/μL, SF = 0.0547ng/μL). A mixture profile was obtained for the E fraction which included a 17 allele at D18S51.
HQH3GU	The questioned stain from the pillowcase (tan material) was analyzed using high sensitivity DNA testing in addition to regular procedures. High sensitivity DNA testing results are concordant with reported results. The alleles reported in the epithelial fraction for item 3 were developed using a robotic extraction since no alleles were detected using a manual differential extraction.
JE4NUL	LCN Y-Filer was performed on Items 2 and 3. Results were concordant at all overlapping loci. NR = no results
JFY7VM	Item 2 - allele call for DYS391 is concordant between YFiler and PowerPlex Fusion data. Item 3 - allele call for DYS391 is concordant between YFiler and PowerPlex Fusion data. Item 4 - allele call for DYS391 is concordant between YFiler and PowerPlex Fusion data. NR = No result
JLPG7K	NR = No Results. DYS391 locus was not available in the PowerPlex Fusion amplification kit to report the allele calls. The allele call at DYS391 was found to be concordant in the YFiler and PowerPlex Fusion kits for each sample respectively.
JXWYQE	-- Possible additional genetic information may be present.
K7M9KN	For sample 3 - e* - no suitable results were obtained from the epithelial cell fraction of the differential extraction on this sample. Therefore, a cutting of the sample was submitted to a non-differential extraction suitable for bloodstains and other casework samples on the M48. The results obtained from this cutting are reported in the e* rows of results for item 3.
K7RZY6	Please note: Brackets indicate minor alleles in the mixed DNA profiles (see standard profiling results for item 3e and item 3s). The minor alleles present in the mixed DNA profile obtained for the epithelial fraction for item 3 correspond to the major profiling results obtained from the sperm fraction of this sample. Similarly the minor alleles present in the mixed DNA profile present in the sperm fraction for item 3 correspond to the major profile obtained from this epithelial fraction of this sample. Please note: that only a partial profile was obtained via YSTR analysis for the epithelial fraction of item 3. A full profile was obtained from the sperm fraction- these DNA profiles corresponded where results were available for comparison.
KCW9VY	Y-STR and Mitochondrial DNA testing are not performed at this laboratory.
KKP7Y2	^ = Allele below stochastic threshold
KT7W9Z	All screening tests were done by forensic biologist. IDP and MiniFiler results were concordant.

TABLE 8

WebCode	Additional Comments
KWLA3V	Evidence profiles were interpreted using a probabilistic genotyping approach, aided by STRmix software. In Part II [Table 2 - Amplification Kit(s) & STR Results], "N/A" is marked for loci not included in the Identifiler Plus kit. In Part I, item 3 screened negative for ALS, but positive for AP, Micro and PSA. Therefore, the semen screening tests for item 3 were marked "positive".
KXGXD4	One additional low level peak detected - 17 at D18S51 - in epithelial fraction of item 3. Potential low level source of DNA, or elevated artefact. Not suitable for comparison.
KY97D8	Item 3e at D18S51 had an additional allele '17' that was removed and called stutter. It preceded two additional larger peaks and believed to be combined stutter for these two peaks.
KZYX3D	Items 1 and 2 are BOTH excluded from Item 3 sperm fraction results. No DNA profile was obtained from Item 3 ecell fraction, therefore no conclusions could be made as to the inclusion or exclusion of items 1 and 2 from item 3 ecell fraction. No nucleated epithelial cells were observed during microscopic examination of item 3. Symbols Key: NA = not applicable, XX = female, XY = male, no results = no results above the laboratory's analytical threshold were obtained.
L7HEEN	Item 4, questioned stain from the pillowcase was analyzed using our high sensitivity DNA testing procedures in addition to our regular procedures. High sensitivity DNA testing results are concordant with the reported results. Item 3, questioned stain from the victim's underwear was differentially extracted with no results for the epithelial fraction. Therefore, a non differential extraction was also done.
L7QMQ3	elevated stutter at 16.8% noted at DYS385 (20) for item 2 (not included in profile)
L99B63	Semen was presumptively indicated in Item 3, but microscopic examinations separately prepared during serology and during a differential extraction did not reveal the presence of spermatozoa.
LB2PTX	Sexual assault cases are screened in the Forensic Biology unit prior to being processed in the DNA unit. Samples #3 and #4 were tested and the following results were generated: #3: Sperm (+), KM (+), OT (+), Amylase (-). #4: Semen (-), KM (+), Amylase (-). Samples #1, #2, #3S1A, #3S1B, and #4 were amplified with the MiniFiler amplification kit. The results were concordant with the Identifiler Plus results.
LCRXQF	Item 3 (epi) - no minor alleles detected at D16 and D18, possible dropout at D8, D7, CSF, D19, and D5 due to peak heights in the stochastic range for the minor contributor
LEFAPL	Only processed items 1 and 2. No interpretation performed.
LKLMAK	* Inconclusive for the presence of additional allele(s)
LUNVZH	1) Item 1 and item 2 were extracted using the in-situ extraction method. 2) Item 3 and Item 4 were extracted using the Chelex method and quantification was carried out using the Quantifiler Human DNA Quantification kit. 3) Y-STR analysis was carried out on Item 2, Item 3 and Item 4 using the AmpFISTR Y-Filer kit. 4) Electrophoresis was carried out using 3130xl Genetic Analyzer. 5) Reagent Blank, Positive Control, and Negative Control were also incorporated throughout the analysis. 6) Item 3 and Item 4 were amplified using Identifiler Plus STR kit. 7) Item 1 and Item 2 were amplified using Identifiler Direct STR kit.
M68RHU	Test for saliva not routinely performed unless requested by investigating officer.
M6JNNY	NR = No Results
M7XHGY	() = Minor allele. ^ = Allele below stochastic threshold.
MBW9W7	For item 1, possible N-8 stutter noted at D18S51. For item 1, possible N-4/N+4 stutter noted at D21S11. For item 2, possible elevated baseline noise at D3S1358.
MFNB3R	No STR results obtained for the substrate controls.
MKXWLH	^ indicates below stochastic threshold
MLTENJ	Per [Laboratory] Missing Persons Unit interpretation guidelines, all mixtures are reported as inconclusive; therefore, no interpretation was made between item 1 and item 3.

TABLE 8

WebCode	Additional Comments
MQ3HQE	Item 3 screened positive for semen (PSA). Item 4 screened negative for semen (PSA).
MQ6N7U	Probabilistic genotyping/STRMix was used for interpretation.
MQKAFV	STRMix mixture interpretation software was utilized for Item 3 and 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. Profiles (Item 1, Item 2, Item 3, and Item 4) were analyzed using both Identifiler Plus and Minifiler kits. Allele calls from both kits were used so additional alleles may be present.
MY2EXW	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
MZDUT4	PowerPlex Y23: sample 2 - elevated N+3 stutter at DYS481 (7.7%, 6% allowed), elevated N-4 stutter (15.3%, 15% allowed) at DYS385. Sample 3 epithelial fraction - elevated N+4 stutter (4.06%, 2% allowed) at DYS458.
N8Q3U6	A negative control associated with this case did not perform as expected. It did not affect the interpretation of the results.
NHA8W	STRMix mixture interpretation software was utilized for items 3 and 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.
NLUWE8	Technician proficiency. Data interpreted and reported by [Name].
NRFKZK	Minifiler[sic]/Identifiler Plus were performed on Items 1-4. Results were concordant at the overlapping loci. NR = No Results
NW6LUN	Probabilistic Genotype/STRmix was used for statistical interpretation. Every attempt was made to obtain a full profile for the Y-STR epithelial cell fraction of Item 3. The highest target was amplified twice and the highest injection time was performed both times on the genetic analyzer. Also, it is to be mentioned that the Y(male) contributor was low in the epithelial cell fraction of Item 3 in the Identifiler Plus profile.
NXLDUF	Minifiler was performed on Items 3 and 4. Results, including mixture seen in Item 3, were concordant at all overlapping loci. NR= No results obtained
P3CDXU	STRMix mixture interpretation software was utilized for items 3 (EC and SP) and 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. Profiles (items 1-4) were analyzed using both Identifiler Plus and Minifiler kits. Allele calls from both kits were used so additional alleles may be present.
P4PXP	NR = No Result. A general differential extraction was performed on Item 3. DNA was not detected in the e-fraction during quantification. Per lab protocol, the DNA process was terminated for the e-fraction. The sp-fraction was taken on to auto-STR analysis and a minor contributor was detected at six genetic markers (Reported on Page 6 [of the 16-572 datasheet- Table 2, Item 3 Results]). A second extraction (modified differential) was performed on item 3. Per lab protocol, the quant value obtained was not high enough to proceed to STR analysis. During analysis, a memo was obtained from Qiagen with a "technical update for Forensic Biology/DNA proficiency test results reported for some questioned stains processed using QIAGEN DNA Investigator kit chemistry." A new Forensic Stain Extraction protocol was proffered in the memo as "The conclusion of the sample type and QIAGEN extraction efficiency investigations determined that an unknown substance was present on some fabrics which affected the DNA yield obtained from stains on these fabrics." The stain was removed from the substrate (Item 3) via swabbing and a third extraction (general differential) was performed on Item 3. Per lab protocol, the quant value obtained for the e-fraction was not high enough to proceed to STR analysis. The sp-fraction was taken on to auto-STR analysis and a minor contributor was detected at two genetic markers (per lab protocol, the minor would be deemed inconclusive). The two minor alleles at genetic markers, D13S317 (Allele 11) and D5S818 (Allele 13), were not observed in the first DNA mixture obtained from Item 3. The major DNA profile obtained from both sp-fractions was concordant. The more complete profile from the sp-fractions of Item 3 was reported and used for comparison purposes. It is recommended that CTS wash fabrics prior to sample preparation.

TABLE 8

WebCode	Additional Comments
PB8P7P	No STR results were obtained for the substrate controls.
PC2FBJ	Epithelial fraction for item 3 is not from the differential extraction. It is from an M48 extraction.
Q2FQTP	A possible tri-allele (14,20,21) was detected at locus DYS385 for both item 2 and item 4. The low-level 20 allele, however, could also be elevated N-4 stutter. Due to uncertainty regarding the possibility of a tri-allele vs. elevated N-4 stutter, the 20 allele was determined to be inconclusive and was not reported for either item. Apparent elevated N-4 stutter was detected at locus DYS448 in the e.cell fraction from item 3, but was not detected in the sperm fraction from item 3. The Y-STR results from the e.cell and sperm fractions from item 3 were otherwise the same. Due to the inconsistency with the sperm fraction result and the low-level 20 allele from the e.cell fraction being just over the laboratory's stutter threshold, the low-level 20 allele was determined to be elevated N-4 stutter and was not reported.
Q3LGTD	Multiplex PCR amplifications were performed on the Organic @ Phenol/Chloroform (Item 1, Item 2, Item 3 and Item 4) extracted DNA samples using Applied Biosystems AmpFISTR® Identifiler® Plus (STR) and Yfiler® (YSTR) kits. Separation and detection of the amplified products were performed using the Applied Biosystems 3130xl Genetic Analyzer and analysis was carried out by GeneMapper® ID v3.2.1 software.
QB3R9Y	18 allele detected at locus vWA in sperm fraction of item 3; consistent with elevated stutter (13.2%) as well as possible carry-over from epithelial fraction/victim.
QBYEEB	INC Inconclusive for the presence of alleles. * Inconclusive for the presence of additional allele(s). For the PowerPlexY23 amplifications: due to dropout in the positive control, the alleles calling in Y_GATA_H4 were deemed inconclusive per standard protocol. The epithelial fraction of Item 3.0 was not amplified using PowerPlexY23 due to low male DNA yield.
QGMD8Q	These samples were run through STRmix probabilistic genotyping software. Every attempt was made utilizing laboratory protocols to obtain a full profile from the epithelial cell fraction of Item 3. Inhibition was present in the sample.
QH2EYD	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper ID Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
QJRPP7	No mitochondrial tests were performed on Items 1 or 2 and no tests were performed on Items 3 or 4.
QKTUNU	Sexual assault case was screened in the Forensic Biology unit prior to being processed in the DNA unit. Samples #3 and #4 were tested and the following results were generated. #3 KM (+), Semen (+), #4 KM (+), Semen (-). Identifiler Plus and MiniFiler results for Items #3 and #4 were concordant.
QMDVJF	Note: For Item 3e, at the D18S51 locus, the minor 18 allele for the 14,18 genotype consistent with carry-over from the associated single-source sperm fraction (Item 3sp) is masked due to stutter from a major 19 allele (ie. 'indistinguishable from stutter'). The 18, which is present at ~330 rfu, is ~16.2% peak height to the 19 major allele (2032 rfu). The lab's validated stutter % for the D18S51 locus is 17.0%.
QQRZ4C	Missing Persons Unit reports mixtures as inconclusive (INC), therefore, no interpretation was made between item 1 and item 3.
QTGWLV	Minor alleles concordant with the Sperm Fraction of Item 3 were detected in the Epithelial Fraction of Item 3. This indicates that some sperm cells lysed early during the digestion. A single source male profile was detected in the Sperm Fraction. ^ = allele below stochastic threshold, 200 RFU. ** = allele possibly attributable to elevated stutter. INC = peak could not be conclusively attributed to allelic activity, may be artifactual.

TABLE 8

WebCode	Additional Comments
QTKGBJ	Two separate extractions were performed (EZ1 robotic differential and Qiagen manual differential) on sample 3 (panties). The results reported are based on the extraction that gave the most information. The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files.
R9RXVQ	STRMix mixture interpretation software was utilized for items 3 and 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.
RGHVRL	"DNA Result" = Inconclusive. (DNA Result) = Peak height intensity less than stochastic threshold. Female major contributor designated at all 16 loci in Item 3 e.cell fraction
RHEB4H	The "e" DNA results for questioned Item 3 are not from the epithelial cell fraction of the differential extraction, but rather from a robotic "M48" extraction of the same stain.
RHGEUT	KM test was performed by DNA analyst; other screening tests listed were performed by Forensic Biology analyst. Identifiler Plus and MiniFiler results are concordant.
RRM397	Items 3 & 4 were not processed for STR analysis and Items 1 & 2 were processed for STR database purposes only. Items 1 through 4 were processed for mtDNA analysis. A serological evaluation was not performed on Items 3 & 4 as it is not necessary to determine the method of processing for mtDNA analysis. A mixed mtDNA profile was obtained from Item 3 and the data is not reported because there is no validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 3 is not reported, no interpretation can be made between Item 1 and Item 3 and between Item 2 and Item 3.
RTU8ZA	[] = minor contributor. □ = Locus contains allele(s) below stochastic threshold. -- = possible allele(s) below analytical threshold. N/A = not applicable. XX = female. XY = male.
RUYYPE	Minifiler testing was conducted on the extract from Item 1 and the results of this testing are concordant with the Identifiler Plus testing of Item 1. Y-STRs and mitochondrial DNA testing are not performed in this regional laboratory.
RY4UXP	Y-STR and Mitochondrial[sic] DNA testing are not performed in this laboratory.
RYY4JA	PSA testing was performed on items 3 & 4 to identify samples that should be differentially or non-differentially extracted. The presence of a "*" in any reported loci indicates that the locus is inconclusive for the presence of additional allele(s).
RYZJT7	Item 3 was extracted twice and the same result was obtained for the epithelial fraction. The quantification values from both extractions support the DNA profile obtained from the epithelial fraction of Item 3.
TGKAQK	NR = No Result. Note: Though the victim is the owner of item 3, no result was obtained from the non-sperm fraction, both autosomal and YSTR loci. Female victim (item 1) is not excluded - there is simply no result for comparison.
TJ6P8L	NT = Not Tested
TJNZYK	probabilistic genotyping was used to aid in interpretation and statistics
TRKZA7	BIOLOGY SCREENING ONLY
TXJ7RA	Allelic dropout was seen on the epithelial fraction of Item 3. Item 3 was re-extracted (epithelial fraction), combined with the 1st fraction and concentrated. The combined epithelial fraction also showed allelic dropout. A second test was requested from CTS. Item 3 was extracted, but had a low quant value. The epithelial and sperm fractions were concentrated and requanted. When amplified, the epithelial fraction still exhibited allelic dropout. Note: When concentrating samples, corresponding buffer controls were also concentrated. All sample concentrations occurred prior to quantitation.
TY3GQM	[] - indicates minor alleles
UB7V3Y	No mitochondrial test performed on item 1 or 2. No tests performed on Items 3 and 4.

TABLE 8

WebCode	Additional Comments
UE67XY	No Mitochondrial tests were performed on Items 1 or 2. No tests performed on Items 3 or 4.
UF389X	Interpretational note for the sperm fraction of Item 3: The 18 allele detected at genetic locus vWA is consistent with elevated stutter (12%). Per interpretation guidelines, allowable stutter for genetic locus vWA is 11.2%.
UFZPY2	1.The questioned stain marked with "Item 3" revealed the presence of human blood and semen. The isolation of genetic material carried out using a differential lysis. The results obtained in the epithelial fraction from questioned stain marked with "Item 3" indicate that the genetic material is a mixture i.e. it is derived from at least 2 people (including at least 1 male). In this mixture can exclude the presence of genetic material of a man, which the material was taken as a male suspect marked with "Item 2". The questioned stain may be a mixture genetic material of woman, which the material was taken as a female victim marked with "Item 1" and the unknown man with genotype shown on page 5 [Table 2 -Amplification Kit(s) & STR Results] obtained in the sperm fraction. The frequency of the obtained genotype is F Total < 0,000000000000000001 (1E-18) and MP=7,345E-033 (statistical calculations are based on the database for the [National] population).The obtained Y-haplotype is not found in 26869 Haplotypes (Worldwide YHRD) and not found in 873 Haplotypes ([National] YHRD). 2. The questioned stain marked with "Item 4" revealed the presence of human blood and indicated genetic profile of a male taken as suspect marked with "Item 2".
UMMYMH	Every attempt was made to obtain conclusive loci for statistical purposes for Item 3 (reinjection, re-amplification, re-extraction, and cleaning up the samples).
UYZYGQ	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction. Minifiler was also used to amplify all samples. Concordant results were obtained with all items for Identifiler Plus and Minifiler except for item 3NS at the following loci: -D7 of Minifiler has 10,11,12 whereas IDPlus has 10,11; -D21 of Minifiler has 28,29,31 whereas IDPlus has 28,29,30,31; -FGA of Minifiler has 21.1,22,23 whereas IDPlus has 22; -Amelogenin of Minifiler has XY whereas IDPlus has X.
UZPY69	Missing Persons unit reports all mixtures as inconclusive; therefore, no interpretation was made between item 1 and item 3.
UZUPM6	Biology Screening Only
V48JRN	Item 3: YSTR Amplification kit was only used for the sperm-fraction after differential lysis.
V9YNJ8	The Missing Persons unit reports all mixtures as inconclusive; therefore, no interpretation was made between the victim (item 1) and item 3.
VJ2FAR	Results were concordant between the Minifiler and identifiler loci tested in common for Item 4.
VUZADN	STRMix mixture interpretation software was utilized for items 3 epithelial/sperm cell fractions and 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. Profiles (items 1, 2, 3 epithelial/sperm cell fractions, and 4) were analyzed using both Identifiler Plus and Minifiler kits. Allele calls from both kits were used so additional alleles may be present. A partial profile was obtained during YSTR testing for item 3 epithelial cell fraction. A full profile was obtained from the sperm cell fraction of this item.
W6FCJM	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
WAM8RN	[] = minor allele. ^ = Below stochastic threshold of 250 rfu. Item 3.1 EF exhibited a major/minor mixture. The mixture appears to be that of the unknown male from 3.1 SF (minor) and the female from Item 1.1 (major). This is likely due to incomplete separation of the sperm and epithelial fractions. Contamination of either fraction does not appear to be a concern.
WEFRK7	Item 3 was extracted using normal differential protocol. Epithelial fraction failed to yield a quant value and subsequently a DNA profile. Larger cutting of stain was extracted and the same issue occurred. On 4/18/16 CTS was notified that epithelial fraction of Item 3 did not produce profiles after two extractions.

TABLE 8

WebCode	Additional Comments
	CTS representative advised that another test kit would be mailed out. Extraction of Item 3 on new kit produced same lack of results. Spoke w/ CTS rep again who advised that I should just report results obtained. ASCLD/Lab notified of potential issue with the test kit and the lack of results when extracted using methods employing Chaotropic salts (EZ-1) [From Table 2: Item 3e STR Results: "Note: epithelial fraction contained possible peaks below the analytical threshold."]
WJC8HU	Item 3-EF at locus D18S51, two minor types (14 and 17) were called in addition to the homozygous major type (19). Allele (14) was attributable to 3-SF carryover; however, allele (17) was not attributable to DNA types observed in 3-SF. Due to the elevated RFUs of the overall sample, and the allele height of the homozygous allele (19), it is likely the allele (17) at D18S51 an artifact of over-amplification.
WRNUJN	STRMix mixture interpretation software was utilized for items 3EC, 3SC and 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. Profiles (items 1-4) were analyzed using both Identifiler Plus and Minifiler kits. Allele calls from both kits were used so additional alleles may be present.
X4DBJ9	Item 1 at D21S11 had elevated stutter peak called at 30. PHR was 12.11%. Interpreted as a single source profile. Item 2 at TH01 has "OL" Pull-Up peak called. Interpreted as a single source profile.
X9AA6E	I believe that item #3 was compromised in some way. The phenolphthalein acid phosphatase, micro and PSA tests were all positive. However, although the microscopic examination was positive, the sperm themselves were oddly shaped. Once quant was performed the value for the epithelial fraction was negligible and the sperm fraction was way too low for how many sperm were observed during the micro exam. The epithelial fraction was not moved forward based on protocol, so no profile was developed. The sperm fraction was moved forward in testing only with the ability of concentrating the sample down to a workable concentration. The sperm fraction produced a mixture, which included the victim. Based on the results of the phenolphthalein test and sperm fraction, there should have been plenty of DNA in the epithelial fraction to run and yet there was not.
XFR3EA	() = indicates allele below stochastic threshold
XHWV7M	Minifiler was also used to amplify items 3 and 4. Concordant results were obtained for these items with both Identifiler Plus and Minifiler. The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor of the sperm fraction.
XJRE8N	^ = Below stochastic Threshold. ** = May be attributed to stutter.
XLT2L8	PSA testing was done to determine if a differential or a non-differential extraction was required for Items 3 and 4.
XPE4UJ	Probabilistic Genotyping Software/STRMix was used for interpretation. Item 3 EC Y-STR profile is a partial profile and a partial locus (DYS385).
XWJW8N	The Forensic Biologist, not the DNA examiner, performed all screening tests listed in Part 1. Full concordance between Identifiler Plus and MiniFiler except for the following: Item 3 (e): D7 - Identifiler Plus 10 MiniFiler 10,11,12. D18 - Identifiler Plus 14,19 MiniFiler 14,18,19. CSF - Identifiler Plus 7,10 Minifiler 7,10,11. FGA - Identifiler Plus 22,23 Minifiler 21.2, 22, 23.
XYJN22	Items 3 and 4 were not processed for STR analysis. Items 1 and 2 were processed for STR database purposes. Items 1, 2, 3, and 4 were processed for mtDNA analysis. A serological evaluation was not performed as it is not necessary to determine the method of processing for mtDNA analysis. A differential extraction, designed to separate sperm heads from epithelial cells, was not performed since it cannot separate mtDNA from multiple contributors. A mixed mtDNA profile was obtained from Item 3 and the data is not reported because there is no validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 3 is not reported, no interpretation can be made between Item 1 and Item 3, and between Item 2 and Item 3.
Y6P64F	The probabilistic genotyping software STRmix® was used on this proficiency. We reported out all possible alleles generated in the Genotype Probability Distribution output files. Two separate extractions were

TABLE 8

WebCode	Additional Comments
	performed (EZ1 robotic and Qiagen manual) on sample 3. The results reported are based on the extraction that gave the most information. MiniFiler results were concordant with Identifiler Plus results.
Y7F3Z8	^ Indicates peaks below stochastic threshold per [Laboratory] policy. Note: Differential extraction may result in an imperfect separation of epithelial cell fraction and/or sperm cell fraction. Note: There is only one conclusive locus (THO1) from A3aE, including both the victim and the suspect in the profile. Wording in the report would be as below: The DNA profile of CTS16-572 [Analyst Initials] A3aE is consistent with being a mixture of at least two individuals, at least one of which is male. The victim and the suspect can each be included as a possible DNA contributor to this mixture. The probability of randomly selecting an unrelated individual that can be included as being a contributor to CTS16-572 [Analyst Initials] A3aE is: 1 in 2 in the African American population 1 in 4 in the Caucasian population 1 in 3 in the Southeastern Hispanic population 1 in 2 in the Southwestern Hispanic population. The genetic frequencies of the following loci were not included in the statistical probabilities: D3S1358, D21S11, D18S51, Penta E, D5S818, D13S317, D7S820, D16S539, CSF1PO, Penta D, Amelogenin, vWA, D8S1179, TPOX, and FGA. The DNA profile of CTS16-572 [Analyst Initials] A3aS is consistent with an unknown male. The victim and the suspect are excluded as possible DNA contributors to this profile.
YC7WDD	It should be noted that Item 3 had an extremely weak epithelial fraction. Three separate extractions & a total of 34 different amplification reactions at various concentrations (included 5x concentration, 1x clean-up, undiluted extract, and diluted extract) were required to obtain full results for the epithelial fraction of Item 3.
YDHHY9	The minor alleles detected in the non-sperm fraction of Item 3 (Item 3e) are consistent with the associated sperm fraction (Item 3sp). At the D18S51 locus for Item 3e, an 18 peak was detected that was filtered out as stutter of the major 19 peak. The 18 peak height is 12.8% of the 19 peak, and below the laboratory's stutter percentage of 17.0%, and can therefore be categorized as Indistinguishable from Stutter.
YNZT2R	Part I: Screening tests were not performed because this testing is outside of the job description for a Forensic Technician. Part II (mitochondrial DNA) and Part III (DNA Interpretation): These were not performed because this testing is outside of the job description for a Forensic Technician. Item 1 had a 30 allele at locus D21S11 attributable to elevated stutter, as interpreted by Lab Manager [Name]. Item 2 had a 9 allele at locus D3S1358 which is interpreted as secondary structure artifact of high template amplification, as interpreted by Lab Manager [Name].
YVGEZX	No Y-STR or Mitochondrial tests performed on items 1 or 2. No tests performed on items 3 or 4.
YZVB7E	Probabilistic genotyping software (STRMIX) was used during this test to aid in data interpretation and statistics calculations.
ZBQFH7	Used 16-572.3-S to distinguish stutter in 16-572.3-E.
ZM2BQV	E (F1) fraction of Item #2[sic] (Q1) - A swabbing as well as a cutting were taken. No definitive DNA typing results were obtained. Due to the limited genetic information available, this profile is unsuitable for comparison purposes. The sample may have been inhibited. Alleles entered for the E (F1) fraction are the partial profile obtained and were all under our lab's Stochastic Threshold. Item 3 - suspect excluded based on F2 (s) fraction.
ZRYNWT	Indication of n-8 at D18S51 for Item 1. 1.5% of the major peak. Also indication of n-8 peak (below threshold) in the non-sperm fraction of item 3.
ZRYVUE	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.
ZVX7PE	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. Item three was extracted as a differential sample and proved to be a challenging sample. It was extracted three separate times using two different methods. This lends to the conclusion that the sample itself was challenging and the performance of the methods were done correctly.

TABLE 8

WebCode	Additional Comments
ZYYP29	The epithelial cells fraction of Item 3 showed a DNA concentration below the cut-off for PCR analysis. This DNA extract was therefore not used. The profile of the victim is present in the sperm fraction of Item 3 except for a drop-out of allele 31 for D21S11. According to our interpretation rules (tolerance of limited number of drop-outs), the victim is present in Item 3.

Appendix: Data Sheet

Collaborative Testing Services - Forensic Testing Program
Test No. 16-572: Forensic Biology

DATA MUST BE RECEIVED BY May 9, 2016 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

Scenario:

Police are investigating a sexual assault involving a female victim who was attacked at a party. The female victim was found unconscious in a back bedroom of the house after the victim's friend observed a male leaving the same room. The male in question was apprehended by the police as a suspect in the assault. Investigators are submitting stains from the victim's yellow underwear (Item 3), as well as the tan pillowcase (Item 4) from the room where the victim was found. Also submitted are blood samples from the female victim and the male suspect.

Items Submitted (Sample Pack B2):

- Item 1: Known blood from the female victim.
- Item 2: Known blood from the male suspect.
- Item 3: Questioned stain from the victim's underwear. (yellow material)
- Item 4: Questioned stain from the pillowcase. (tan material)

Part I: SCREENING TESTS

Note: Laboratories submitting their results for ASCLD/LAB or NATA accreditation MUST identify any screening tests performed and report the test results.

Indicate the results of any screening tests performed on the questioned stains (Items 3 & 4).

Please use the abbreviations listed in this response key to fill in the Screening Test tables on this page. This is not an all inclusive list of tests, and should not be used to determine what tests should be performed. TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

Test	Abbreviation	Test	Abbreviation
Acid Phosphatase	AP	Ortho-tolidine	O-tol
Alternate Light Source	ALS	Phenolphthalein-Tetramethyl benzidine	PTMB
Kastle Meyer	KM	Prostate Specific Antigen	PSA
Leucomalachite Green	LMG	Tetramethyl benzidine	TMB
Microscopic	Micro		

Example

Please indicate the Test(s) Performed on the corresponding line for each type of screening.

Item	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	KM, O-tol, PTMB
Semen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PSA
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Item 3 Blood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Semen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Item 4 Blood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Semen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Please return all pages of this data sheet.

Part II: 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	<i>e</i>	10,11	15,16	8	12,13	7	8
	<i>sp</i>	12,13	15,17	8,17	11	14,15	11,13
B	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

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

Please return all pages of this data sheet.

Part II (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"/>

Part II (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 II (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 II (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						

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
4						

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
4						

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
4						

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								

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
4								

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
4							

Please return all pages of this data sheet.

Part II (continued): Mitochondrial Sequencing Results

List the bases sequenced and base position deviations from the reference sequence for each item.

		Item 1	Item 2	Item 3	Item 4
Hypervariable Region I (HVR I)	Bases Sequenced				
	Deviations				
Hypervariable Region II (HVR II)	Bases Sequenced				
	Deviations				

If additional space is needed, copy this page or attach your own form following this layout

Please return all pages of this data sheet.

Part III: 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"/>	Yes	<input type="checkbox"/>	<input type="checkbox"/>
No	<input type="checkbox"/>	<input type="checkbox"/>	No	<input type="checkbox"/>	<input type="checkbox"/>
Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>	Inconclusive	<input type="checkbox"/>	<input type="checkbox"/>

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

Part IV: ADDITIONAL COMMENTS

Comments regarding any part of this Forensic Biology Test.

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

Note: Laboratories submitting their results for ASCLD/LAB accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by **May 09, 2016** to be included in the report. Emailed data sheets are not accepted.

QUESTION? ONLINE DATA ENTRY: www.cts-portal.com
 TEL: +1-571-434-1925 (8 am - 4:30 pm EST) FAX: +1-571-434-1937
 EMAIL: forensics@cts-interlab.com MAIL: Collaborative Testing Services, Inc.
www.ctsforensics.com P.O. Box 650820
 Sterling, VA 20165-0820 USA

Please return all pages of this data sheet.

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **16-572: Forensic Biology**

This release page must be completed and received by **May 9, 2016** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

ASCLD/LAB RELEASE

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.
The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.

ASCLD/LAB Legacy Certificate No. _____ ASCLD/LAB International Certificate No. _____

Signature _____ Date _____

Laboratory Name _____

Location (City/State) _____

ANAB RELEASE

If your laboratory maintains its accreditation through ANAB, please complete the following form in its entirety to have your results forwarded.

ANAB Certificate No. _____

Signature and Title _____ Date _____

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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