



Forensic Biology Test No. 16-573 Summary Report

This proficiency test was sent to 435 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 371 participants (85% 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, animal print material (Item 3) and one on clean, brown material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1 - 4 were prepared from human whole blood which was drawn into citric acid preservative bloodbank bags. Item 1 (75 μ l) and Item 4 (50 μ l) were created using blood collected from a male donor. Item 2 (75 μ l) and Item 3 (50 μ l) were created using blood collected from a different male donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 18th, 2016 following receipt of predistribution results.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled by predistribution laboratories and a consensus of at least 10 participants.						
	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	22,25	10,14	16,17	12,12	8,9
	13,15	12,14	19,21	11,12	9,9	13,17
	13,16	28,31.2	16,16	X,Y	11,11	20,21
	12,12	12,13	16,17	7,9	8,11	14,16
2	11,16.3	18,19	10,11	15,16	9,11	10,10
	10,12	14,14	18,19	11,12	13,13	#13,16
	13,13.2	31,31.2	11,15	X,Y	11,12	22,24
	9,12	13,14	16,18	7,7	+9,10,11	11,15
3	11,16.3	18,19	10,11	15,16	9,11	10,10
	10,12	14,14	18,19	11,12	13,13	#13,16
	13,13.2	31,31.2	11,15	X,Y	11,12	22,24
	9,12	13,14	16,18	7,7	+9,10,11	11,15
4	14,16	22,25	10,14	16,17	12,12	8,9
	13,15	12,14	19,21	11,12	9,9	13,17
	13,16	28,31.2	16,16	X,Y	11,11	20,21
	12,12	12,13	16,17	7,9	8,11	14,16

Approximately 50% of the participants reported the 13 allele at this locus.

+ Trisomy reported.

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

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

Summary Comments

The 16-573 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). Items 1 and 4 were created with blood from one male donor. Items 2 and 3 were created with blood collected from one male donor different from the donor used for Items 1 and 4. (See Manufacturer's Information for preparation details)

Data were returned by a total of 371 participants, of these, 360 reported DNA results. The remaining 11 participants reported only screening results.

Screening Test Results:

For Item 3, 351 participants reported positive results for blood. All 262 participants reporting semen results were negative. All 81 participants reporting saliva results were negative.

For Item 4, 351 participants reported positive results for blood. All 256 participants reporting semen results were negative. All 80 participants reporting saliva results were negative.

DNA Analysis Results:

Of the 360 participants reporting DNA data, 347 participants reported DNA interpretation results for Item 3 and Item 4, however, one participant did not report the Item 3 results for the victim (Item 1) or the Item 4 result for the suspect (Item 2). There were thirteen participants that stated they analyzed the samples for database purposes only.

For the Item 3 stain, 346 participants excluded the victim (Item 1) and 347 participants included the suspect (Item 2) as possible contributors. For the Item 4 stain, 347 participants included the victim (Item 1) and 346 participants excluded the suspect (Item 2) as possible contributors.

Items 2 and 3 contained a tri-allele (trisomy) at the TPOX locus. This was reported by all participants with exception of twelve participants who did not report any results for TPOX due to the amplification kit used. Also, Items 2 and 3 contained a possible imbalanced or null allele at the D18S51 locus, where amplification with the Identifiler Plus kit revealed a homozygous 16 allele, but amplification with GlobalFiler, Fusion, or MiniFiler kits revealed heterozygous 13,16 alleles. A minor or below-threshold 13 allele was reported as "Inconclusive" by some participants using Identifiler Plus. Many participants commented on the D18S51 locus as containing a primer binding site mutation resulting in a null allele.

There were three participants that reported inconsistent alleles at the following loci: D5S818, FGA, and SE33. One participant reported an inconsistent YSTR profile for Item 3.

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
28FT7K				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg SALLgAE	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg SALLgAE	Pos ALS
29BC9M				
Item 3	Pos LMG	NT	NT	
Item 4	Pos LMG	NT	NT	
29GRDZ				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	
2BG28P				
Item 3	Pos HemaTrace	Neg p30, Micro, ALS	NT	
Item 4	Pos HemaTrace	Neg p30, Micro, ALS	NT	
2BKPM8				
Item 3	Pos LMG	NT	NT	
Item 4	Pos LMG	NT	NT	
2HZ87G				
Item 3	Pos TMB, OBTI	NT	NT	
Item 4	Pos TMB, OBTI	NT	NT	
2KABR7				
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID	
Item 4	Pos O-tol	Neg AP, Micro	Neg RSID	
2R3K7G				
Item 3	Pos KM			
Item 4	Pos KM			

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
2X9EZD				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
2XBW8N				
Item 3	Pos KM, HemaTrace	Neg AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	NT	
2XWDMQ				
Item 3	Pos KM	Neg PSA	Neg Amylase	
Item 4	Pos KM	Neg PSA	Neg Amylase	
2Y9Z9C				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
2YZAML				
Item 3	Pos LMG, FOB	NT	NT	
Item 4	Pos LMG, FOB	NT	NT	
32P6KE				
Item 3	Pos HemaTrace	NT	NT	
Item 4	Pos HemaTrace	NT	NT	
3BU4JF				
Item 3	Pos KM, Ouchterlony	Neg AP, p30, Micro	Neg Amylase, Micro	
Item 4	Pos KM, Ouchterlony	Neg AP, p30, Micro	Neg Amylase, Micro	
3J4EPL				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
3PF6M2				
Item 3	Pos color, ppth, o-tol	Neg AP, Micro	NT	
Item 4	Pos color, ppth, o-tol	Neg AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
3PVQW4				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Neg AP	NT	
3UQH4Z				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
3YLC22				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
42RUZW				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, p30	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, p30	Neg Phadebas	
44UQCK				
Item 3	Pos LMG	NT	NT	
Item 4	Pos LMG	NT	NT	
4DYN92				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
4GKNB3				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Neg AP	NT	
4TTD3C				
Item 3	Pos KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas	
4WVE3A				
Item 3	Pos O-tol	Neg ALS, AP, PSA, Micro	Neg Amylase Diffusion	
Item 4	Pos O-tol	Neg ALS, AP, PSA, Micro	Neg Amylase Diffusion	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
4XPTZZ				
Item 3	Pos KM, o-tol, RSID-blood, HemaTrace	NT	NT	
Item 4	Pos KM, o-tol, RSID-blood, HemaTrace	NT	NT	
693N46				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
6AF4MX				
Item 3	Pos O-tol	Neg AP	Neg Phadebas	
Item 4	Pos O-tol	Neg AP	Neg Phadebas	
6AYXFU				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
6CZ6HJ				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
6GGBET				
Item 3	Pos LMG, Hexagon OBTI	Neg AP, PSA	Neg Phadebas	
Item 4	Pos LMG, Hexagon OBTI	Neg AP, PSA	Neg Phadebas	
6J2EQX				
Item 3	Pos LMG, HemaTrace	Neg AP, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro	NT	
6KWWB8				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
6LU2R2				
Item 3	Pos KM	Neg AP	Neg Amylase Radial Diffusion	
Item 4	Pos KM	Neg AP	Neg Amylase Radial Diffusion	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
6NUL8K					
Item 3	Pos KM, Hexagon OBTI	NT	NT		
Item 4	Pos KM, Hexagon OBTI	NT	NT		
6PP69L					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	NT	NT		
6PUDN2					
Item 3	Pos KM	Neg AP, Micro	Neg Amylase Radial Diffusion		
Item 4	Pos KM	Neg AP, Micro	Neg Amylase Radial Diffusion		
6YC899					
Item 3	Pos KM Test, HemaTrace	Neg	NT		
Item 4	Pos KM Test, HemaTrace	Neg	NT		
6YGBE7					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Neg ALS, AP	NT		
6ZCUG8					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	Neg ALS, AP	NT		
72X6K7					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
739876					
Item 3	Pos KM	Neg AP, ALS, Micro	Neg Phadebas	Human DNA detected, Pos Quant Duo	
Item 4	Pos KM	Neg AP, ALS, Micro	Neg Phadebas	Human DNA detected, Pos Quant Duo	
78LU3U					
Item 3	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID		
Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
7CJ9R6				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
7DRNWQ				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Neg AP	NT	
7KQZ6F				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
7KTNKY				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
7QKV38				
Item 3	Pos KM, ABACard	Neg AP	Neg Phadebas	
Item 4	Pos KM, ABACard	Neg AP	Neg Phadebas	
7VUBCV				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	
7Y8722				
Item 3	Pos KM, HemDirect	Neg AP	Neg RSID-Saliva	
Item 4	Pos KM, HemDirect	Neg AP	Neg RSID-Saliva	
829FLH				
Item 3	Pos ABACard HemaTrace	Neg Micro, ABACARD p30, ALS	NT	
Item 4	Pos ABACard HemaTrace	Neg Micro, ABACARD p30, ALS	NT	
8C979B				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
8FED8V				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	
8HZ47E				
Item 3	Pos LMG, HemaTrace	Neg AP, Micro, PSA, ALS	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA, ALS	NT	
8L2CAN				
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
8TGVR3				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
8URYWE				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
8UYTAU				
Item 3	Pos KM HemaTrace	Neg AP PSA Micro	Neg Phadebas	
Item 4	Pos KM HemaTrace	Neg AP PSA Micro	Neg Phadebas	
8V79GZ				
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID-Saliva	
Item 4	Pos O-tol	Neg AP, Micro	Neg RSID-Saliva	
8ZXQ9W				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
9996UY				
Item 3	Pos Phenolphthalein	Neg BCIP	NT	
Item 4	Pos Phenolphthalein	Neg BCIP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
9A3YPH				
Item 3	Pos KM, Hexagon OBTI	NT	NT	
Item 4	Pos KM, Hexagon OBTI	NT	NT	
9C6WXP				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
9CRC7F				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
9FKFVD				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
9G9HZU				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	
9K3CXV				
Item 3	Pos O-tol, PPTH, red/brown colour	Neg AP, ALS, Micro	NT	
Item 4	Pos O-tol, PPTH, red/brown colour	Neg AP, ALS, Micro	NT	
9K3LGE				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
9LBQ6B				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
9PVLXV				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
9QMPMW				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
9VHK4B				
Item 3	Pos Instalert, Hemophan			
Item 4	Pos Instalert, Hemophan			
9ZGLYY				
Item 3	Pos O-tol	Neg AP, Micro, PSA	Neg Amylase Diffusion	
Item 4	Pos O-tol	Neg AP, Micro, PSA	Neg Amylase Diffusion	
A3FMTT				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
A4B7VU				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
A4C446				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
A7TGGD				
Item 3	Pos Hemastix			
Item 4	Pos Hemastix			
A8C2TB				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
A8C3PV				
Item 3	Pos O-tol, RSID-blood	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
A93DD3				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
AAFWCE				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
AEFYMA				
Item 3	Pos KM	Neg AP, Micro (BF, phase)	NT NA	
Item 4	Pos KM	Neg AP, Micro (BF, phase)	NT	
ARK6MZ				
Item 3	Pos LMG	Neg ACP	NT	
Item 4	Pos LMG	Neg ACP, Micro	NT	
AU7YFU				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
AU8VN6				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
B63CYR				
Item 3	Pos TMB	NT	NT	
Item 4	Pos TMB	NT	NT	
B6JHBB				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro	Neg Amylase, Micro	
Item 4	Pos LMG, HemaTrace	Neg AP, PSA, Micro	Neg Amylase, Micro	
B9G99A				
Item 3	Pos RSID-Blood	Neg RSID-Semen	NT	
Item 4	Pos RSID-Blood	Neg RSID-Semen	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
BB876F				
Item 3	Pos KM, Hexagon OBTI	NT	NT	
Item 4	Pos KM, Hexagon OBTI	NT	NT	
BDHVJQ				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
BLRKWP				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
BP6EMU				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
BRA346				
Item 3	Pos O-tol	Neg AP, ALS, PSA, Micro	Neg Amylase Diffusion	
Item 4	Pos O-tol	Neg AP, ALS, PSA, Micro	Neg Amylase Diffusion	
BT8DXM				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
BWTUGT				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
C2WABA				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
C4J3BH				
Item 3	Pos KM	Neg ALS, Micro, P30	NT	
Item 4	Pos KM	Neg ALS, Micro, P30	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
C6DTGX					
Item 3	Pos PH, HemaTrace	Neg AP	NT		
Item 4	Pos PH, HemaTrace	Neg AP	NT		
C9BBC4					
Item 3	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT		
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT		
C9DYZA					
Item 3	Pos KM	Neg AP, Micro (no sperm)	NT		
Item 4	Pos KM	Neg AP, Micro (no sperm)	NT		
C9HFX9					
Item 3	Pos LMG, HemaTrace, ALS	Neg AP, PSA, Micro, ALS	NT		
Item 4	Pos LMG, HemaTrace, ALS	Neg AP, PSA, Micro, ALS	NT		
C9XN9W					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Neg ALS, AP, Micro, PSA	NT		
CDAKPR					
Item 3	Pos KM, Takayama	Neg AP	NT	Human Origin, Pos Plexor HY	
Item 4	Pos KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, Plexor HY	
CH6EMT					
Item 3	Pos KM	NT	NT	Human Origin, Pos Plexor HY	
Item 4	Pos KM	NT	NT	Human Origin, Pos Plexor HY	
CMJ3BV					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
CT7Q72					
Item 3	Pos Hemastix Positive	NT	NT		
Item 4	Pos Hemastix Positive	NT	NT		

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
CVRJYV					
Item 3	Pos KM	Neg ALS, AP, Micro	Neg ALS, Phadebas		Human DNA, Pos Quantifiler Duo
Item 4	Pos KM	Neg ALS, AP, Micro	Neg ALS, Phadebas		Human DNA, Pos Quantifiler Duo
CWKDUE					
Item 3	Pos KM, Hexagon OBTI	NT	NT		
Item 4	Pos KM, Hexagon OBTI	NT	NT		
CXD9GM					
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva		
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva		
CXVEHY					
Item 3	Pos KM	Neg 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
DCVD4A					
Item 3	Pos KM	Neg AP, Micro	NT		
Item 4	Pos KM	Neg AP	NT		
DJCWLN					
Item 3	Pos KM, HemaTrace	Neg AP, ALS	NT		
Item 4	Pos KM, HemaTrace	Neg AP, ALS	NT		
DLVXFA					
Item 3	Pos H-Stix	NT	NT		
Item 4	Pos H-Stix	NT	NT		
DQC9LR					
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT		
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT		
DQU26					
Item 3	Pos TMB	NT	NT		
Item 4	Pos TMB	NT	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
DR2UZA				
Item 3	Pos KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas	
DT48X6				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Neg AP	NT	
DUUFW8				
Item 3	Pos KM;ABACard HemaTrace	Neg AP press	Neg Phadebas Press	
Item 4	Pos KM:ABACard HemaTrace	Neg AP Press	Neg Phadebas Press	
DYLP87				
Item 3	Pos O-tol, Seratec HemDirect	Neg AP, Seratec PSA	Neg Seratec Amylase	
Item 4	Pos O-tol, Seratec HemDirect	Neg AP, Seratec PSA	Neg Seratec Amylase	
DZ3WE9				
Item 3	Pos KM	Neg AP; micro for sperm	NT	
Item 4	Pos KM	Neg AP; micro for sperm	NT	
DZHFY7				
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
E3ZU37				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro, ALS	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, PSA, Micro, ALS	NT	
E4UPG3				
Item 3	Pos KM; HemaTrace	Neg ALS; AP; Micro	NT	
Item 4	Pos KM; HemaTrace	Neg ALS; AP; Micro	NT	
EBDQ6R				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
EF9GRQ				
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
EFQR2J				
Item 3	Pos KM, HemaTrace	Neg AP, ALS	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, ALS	Neg RSID	
ERKY82				
Item 3	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	
EX8MU7				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
EZFTBZ				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
F7JZMM				
Item 3	Pos LMG, HemaTrace	NT	NT	
Item 4	Pos LMG, HemaTrace	NT	NT	
FH8BLD				
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
FHUMLL				
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos HemaTrace	Neg AP	NT	
FJ9YDP				
Item 3	Pos KM, O-tol, RSID-blood, HemaTrace	NT	NT	
Item 4	Pos KM, O-tol, RSID-blood, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
FKYA3X					
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT		
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT		
FM4Z3K					
Item 3	Pos KM, ABACard	Neg AP, PSA	Neg RSID		
Item 4	Pos KM, ABACard	Neg AP, PSA	Neg RSID		
FNJDVN					
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas		
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas		
FYG3Q4					
Item 3	Pos KM	Neg AP, Micro	Neg Phadebas		
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas		
G2HUUU					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
G3QPP2					
Item 3	Pos KM, HemaTrace	NT	NT		
Item 4	Pos KM, HemaTrace	NT	NT		
G93N8L					
Item 3	Pos KM, Takayama	Neg AP, Micro, PSA	Neg RSID-Saliva	Human Origin, Pos Plexor HY	
Item 4	Pos KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, Plexor HY	
G9ECK7					
Item 3	Pos Hemastix	NT	NT		
Item 4	Pos Hemastix	NT	NT		
G9X7AM					
Item 3	Pos KM, HemaTrace	Neg AP	Neg Saliva RSID		
Item 4	Pos KM, HemaTrace	Neg AP	Neg Saliva RSID		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
GAA77H				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	
GCN6RR				
Item 3	Pos KM	Neg BCIP	NT	
Item 4	Pos KM	Neg BCIP	NT	
GJZKQ				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
GLPTG4				
Item 3	Pos LMG	Neg AP, PSA, Microscopy	NT	
Item 4	Pos LMG	Neg AP, PSA, Microscopy	NT	
GQKME6				
Item 3	Pos KM	Neg AP, Micro for sperm	NT	
Item 4	Pos KM	Neg AP, Micro for sperm	NT	
GT9WQR				
Item 3	Pos KM, HemaTrace	Neg BCIP	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg BCIP	Neg Phadebas	
GTP4XU				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
GTR6DZ				
Item 3	Pos KM, LMG, ABACard HemaTrace	Neg AP, ABACard p30, Micro	NT	
Item 4	Pos KM, LMG, ABACard HemaTrace	Neg AP, ABACard p30, Micro	NT	
GWL4MP				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
GXNKBN					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM, HemaTrace	Neg AP	NT		
GYWU2Z					
Item 3	Pos KM, HemaTrace	Neg AP, ALS			
Item 4	Pos KM, HemaTrace	Neg AP, ALS			
HANRFJ					
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID		
Item 4	Pos KM, HemaTrace	NT	NT		
HD9JQL					
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID	Human Origin, Pos Plexor HY, HemaTrace	
Item 4	Pos KM, Takayama	Neg AP	Neg Phadebas	Human Origin, Pos Plexor HY	
HD9TA7					
Item 3	Pos KM	Neg AP, ALS	NT		
Item 4	Pos KM	Neg AP, ALS	NT		
HDEQXN					
Item 3	Pos LMG, HemaTrace	NT	NT		
Item 4	Pos LMG, HemaTrace	NT	NT		
HDUAHL					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
HEGZG6					
Item 3	Pos LMG(+)	NT	NT		
Item 4	Pos LMG(+)	NT	NT		
HENR3V					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
HHM6NZ				
Item 3	Pos Hemastix, HemaTrace	Neg AP, p30	Neg RSID	
Item 4	Pos Hemastix, HemaTrace	Neg AP, p30	Neg RSID	
HKUMMV				
Item 3	Pos KM; ABACard HemaTrace	Neg AP	Neg Phadebas Press	
Item 4	Pos KM; ABACard HemaTrace	Neg AP	Neg Phadebas Press	
HNWLXN				
Item 3	Pos KM	Neg AP	Neg Amylase Radial Diffusion	
Item 4	Pos KM	Neg AP	Neg Amylase Radial Diffusion	
HVRDHB				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Neg AP		
HW3CFQ				
Item 3	Pos KM, HemaTrace	Neg ALS, BCIP	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Neg ALS, BCIP	Neg ALS, Phadebas	
J2DPUH				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
J4JBLP				
Item 3	Pos KM	Neg BCIP	NT	
Item 4	Pos KM	Neg BCIP	NT	
J6RM27				
Item 3	Pos KM	Neg AP, Micro	Neg Radial Diffusion	
Item 4	Pos KM	Neg AP, Micro	Neg Radial Diffusion	
J7TBQW				
Item 3	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
JE3LVG				
Item 3	Pos PHPH + Hexagon	NT	NT	bluestar, Pos
Item 4	Pos PHPH + Hexagon	NT	NT	bluestar, Pos
JFA4UC				
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
JJ7XJ2				
Item 3	Pos KM, ABACard	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard	Neg AP	Neg Phadebas Press	
JKTYW6				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
JMWUF8				
Item 3	Pos KM, Hexagon OBTI	NT	NT	
Item 4	Pos KM, Hexagon OBTI	NT	NT	
JNRDH9				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
JP6XEP				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
JUUMN2				
Item 3	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT	
K4CMHG				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
K687JH				
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	
KAXPCZ				
Item 3	Pos O-tol, HemaTrace card	Neg AP, p30 card, Micro	Neg Amylase Diffusion, Micro	
Item 4	Pos O-tol, HemaTrace card	Neg AP, p30 card, Micro	Neg Amylase Diffusion, Micro	
KCTYX3				
Item 3	Pos LMG, HemaTrace	Neg PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Neg PSA, Micro	NT	
KF9H3Q				
Item 3	Pos KM, Hem Direct	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, Hem Direct	Neg ALS, AP, PSA, Micro	NT	
KKM4Q4				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
KLR2U				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
KLX4MX				
Item 3	Pos KM	Neg AP/Micro	NT	
Item 4	Pos KM	Neg AP/Micro	NT	
KMRKAT				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
KV2BC7				
Item 3	Pos LMG	NT	NT	
Item 4	Pos LMG	NT	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
KZCCLG					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Neg AP	NT		
L4UTG7					
Item 3	Pos KM	Neg AP, Micro	NT		
Item 4	Pos KM	Neg AP, Micro	NT		
LAGJ42					
Item 3	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT		
Item 4	Pos LMG, HemaTrace	Neg AP, Micro, PSA	NT		
LBBEHX					
Item 3	Pos KM	Neg AP, Micro	Neg Phadebas paper		Urine & Faeces, Neg Creatinine Test, Urea Test, Urobilinogen Tube Test
Item 4	Pos KM	Neg AP, Micro	Neg Phadebas paper		Urine & Faeces, Neg Creatinine Test, Urea Test, Urobilinogen Tube Test
LCNYB8					
Item 3	Pos O-tol	Neg AP	NT		
Item 4	Pos O-tol	Neg AP	NT		
LF6FF6					
Item 3	Pos HemaTrace	NT	NT		
Item 4	Pos HemaTrace	NT	NT		
LLAEQV					
Item 3	Pos Hemastix, OBTI	NT	NT		
Item 4	Pos Hemastix, OBTI	NT	NT		
LMNPUU					
Item 3	Pos HemaTrace	NT	NT		
Item 4	Pos HemaTrace	NT	NT		
LUZW64					
Item 3	Pos KM, TMB	Neg PSA	NT		
Item 4	Pos KM, TMB	Neg PSA	NT		

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
LVF87G					
Item 3	Pos KM, Takayama, HemaTrace	Neg AP	NT		Human Origin, Pos HemaTrace, Plexor HY
Item 4	Pos KM, Takayama, HemaTrace	Neg AP	NT		Human Origin, Pos HemaTrace, Plexor HY
LXZ9Z4					
Item 3	Pos KM, TMB	Neg AP	NT		
Item 4	Pos KM, TMB	Neg AP	NT		
LZF8TT					
Item 3	Pos KM, ABACard, HemaTrace	Neg AP	Neg Phadebas		Human Origin, Pos Quantifiler Human
Item 4	Pos KM, ABACard, HemaTrace	Neg AP	Neg Phadebas		Human Origin, Pos Quantifiler Human
M8BQBE					
Item 3	Pos Hemident, HemaTrace	NT	NT		
Item 4	Pos Hemident, HemaTrace	NT	NT		
M9FEEX					
Item 3	Pos KM, HemaTrace	NT	NT		
Item 4	Pos KM, HemaTrace	NT	NT		
MDR9JF					
Item 3	Pos KM	Neg AP Overlay	NT		
Item 4	Pos KM	NT	NT		
ME4V8W					
Item 3	Pos Hgb, HemaTrace	Neg AP, PSA	NT		
Item 4	Pos Hgb, HemaTrace	Neg AP, PSA	NT		
MEQ83N					
Item 3	Pos KM, HemDirect	Neg AP, ALS, PSA, Micro	NT		
Item 4	Pos KM, HemDirect	Neg AP, ALS, PSA, Micro	NT		
MFMQ6Q					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
MQKQGU				
Item 3	Pos Hemastix, HemaTrace	Neg AP, p30	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT	
MQNB8H				
Item 3	Pos KM	Neg AP, PSA	Neg Radial Diffusion Starch Plate	
Item 4	Pos KM	Neg AP, PSA	Neg Radial Diffusion Starch Plate	
N2KE9Q				
Item 3	Pos KM, ABACard (Human)	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard (Human)	Neg AP	Neg Phadebas Press	
N79EVX				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro, ALS	Neg SALIgAE	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro, ALS	Neg SALIgAE	
N7F6GN				
Item 3	Pos KM, HemDirect	Neg ALS, AP, PSA	NT	
Item 4	Pos KM, HemDirect	Neg ALS, AP, PSA	NT	
N7VRQP				
Item 3	Pos Hemastix, HemaTrace	Neg AP, PSA (p30)	Neg RSID	
Item 4	Pos Hemastix, HemaTrace	Neg AP, PSA (p30)	NT	
NCK4RD				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Neg AP	NT	
NDQRUW				
Item 3	Pos KM	Neg AP, PSA	NT	
Item 4	Pos KM	Neg AP, PSA	NT	
NELCWN				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
NGQM6K				
Item 3	Pos Phenolphthalein, HemaTrace	Neg BCIP	Neg Phadebas	
Item 4	Pos Phenolphthalein, HemaTrace	Neg BCIP	Neg Phadebas	
NL4RCE				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
NLZ8NB				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
NP9BMT				
Item 3	Pos KM, HemaTrace	Neg AP, ALS		
Item 4	Pos KM, HemaTrace	Neg AP, ALS		
NRT6FM				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
NXVEMF				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
NYQWNG				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	NT	NT	
NZPV8P				
Item 3	Pos Hemastix, HemaTrace	Neg AP, PSA (p30)	NT	
Item 4	Pos Hemastix, HemaTrace	Neg AP, PSA (p30)	NT	
P3QHYP				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
P73FGF					
Item 3	Pos KM	Neg AP	NT		Human, Pos Plexor HY
Item 4	Pos KM	Neg AP	NT		Human, Pos Plexor HY
P7QGL7					
Item 3	Pos KM	Neg ALS, Micro, P30	NT		
Item 4	Pos KM	Neg ALS, Micro, P30	NT		
P8LYN8					
Item 3	Pos O-tol	Neg AP, PSA			
Item 4	Pos O-tol	Neg AP, PSA			
P9BQDJ					
Item 3	Pos KM	Neg BCIP	NT		
Item 4	Pos KM	Neg BCIP	NT		
PDKQNN					
Item 3	Pos Hemastix, KM, HemaTrace				
Item 4	Pos Hemastix, KM, HemaTrace				
PDRVAT					
Item 3	Pos LMG	Neg AP	NT		
Item 4	Pos LMG	Neg AP	NT		
PGRUVJ					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
PKMVKE					
Item 3	Pos KM	Neg AP, PSA	NT		
Item 4	Pos KM	Neg AP, PSA	NT		
PMYLPX					
Item 3	Pos Hemochromogen	Neg Fast Blue	NT		
Item 4	Pos Hemochromogen	NT	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
PN8MVG				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
PQD8L3				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
PQHfZH				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Neg AP	NT	
PV6E4B				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
PWJ2FX				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
PWKP6P				
Item 3	Pos TMB, HemaTrace	Neg AP, PSA	NT	
Item 4	Pos TMB, HemaTrace	Neg AP	Neg RSID-Saliva	
PWZVG9				
Item 3	Pos KM	Neg ALS, Micro, PSA	NT	
Item 4	Pos KM	Neg ALS, Micro, PSA	NT	
QBG9CE				
Item 3	Pos Hemastix	NT	NT	
Item 4	Pos Hemastix	NT	NT	
QBRCJB				
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP	Neg RSID	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
QD4RDC				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
QGHLTA				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
QK64DF				
Item 3	Pos LMG, HemaTrace	NT	NT	
Item 4	Pos LMG, HemaTrace	NT	NT	
QPTZMY				
Item 3	Pos HemaTrace	Neg ALS	NT	
Item 4	Pos HemaTrace	Neg ALS	NT	
QRYHLU				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
QUCWQG				
Item 3	Pos red/brown color, PPTH, O-tol	Neg AP, Micro	NT	
Item 4	Pos red/brown color, PPTH, O-tol	Neg AP, Micro	NT	
QZAK8V				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
R7J3GA				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
R8RCVY				
Item 3	Pos HemaTrace	Neg ALS, p30, Micro	NT	
Item 4	Pos HemaTrace	Neg ALS, p30, Micro	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
RAXLDW					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Neg AP	NT		
RBUC8H					
Item 3	Pos O-tol	NT	NT		Human Blood, Pos RSID
Item 4	Pos O-tol	NT	NT		Human Blood, Pos RSID
RDF7YC					
Item 3	Pos KM	Neg AP, PSA, Micro	NT		
Item 4	Pos KM	Neg AP, PSA, Micro	NT		
RGEGVC					
Item 3	Pos LMG, HemaTrace	Neg ALS, AP Spot, PSA	NT		
Item 4	Pos LMG, HemaTrace	Neg ALS, AP Spot, PSA	NT		
RGXGLV					
Item 3	Pos Hemastix	NT	NT		
Item 4	Pos Hemastix	NT	NT		
RJ4Q3R					
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT		
Item 4	Pos Hemastix, HemaTrace	Neg AP	NT		
RN28FL					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
RN2A8C					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Neg AP	NT		
RQJLTU					
Item 3	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID		male DNA, Pos Y-screening
Item 4	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID		male DNA, Pos Y-screening

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
RRXYLX				
Item 3	Pos KM, Bluestar Hexagon OBTI	NT	NT	
Item 4	Pos KM, Bluestar Hexagon OBTI	NT	NT	
RTRQBP				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT	
RU4EWA				
Item 3	Pos LMG, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos LMG, HemaTrace	Neg AP	Neg RSID	
RWYVGK				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
RZAVQ6				
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos LMG	Neg AP	Neg RSID-Saliva	
T6FX2Y				
Item 3	Pos ABACard HemaTrace	NT	NT	
Item 4	Pos ABACard HemaTrace	NT	NT	
TC79CM				
Item 3	Pos KM, ABACard	Neg AP	Neg Phad	
Item 4	Pos KM, ABACard	Neg AP	Neg Phad	
TEQ6UL				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	
TJYT62				
Item 3	Pos KM	Neg Micro, P30	NT No current validated method	ALS, Neg ALS
Item 4	Pos KM	Neg Micro, P30	NT No current validated method	ALS, Neg ALS

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
TKFPX2				
Item 3	Pos PTMB	Neg AP	NT	
Item 4	Pos PTMB	Neg AP	NT	
TNUM33				
Item 3	Pos O-tol	Neg AP, PSA	NT	
Item 4	Pos O-tol	Neg AP, PSA	NT	
TQX6DR				
Item 3	Pos FOB	Neg PSA	NT	
Item 4	Pos FOB	Neg PSA	NT	
TRDEE7				
Item 3	Pos KM, HT	Neg AP	NT	
Item 4	Pos KM, HT	Neg AP	Neg RSID	
TUXF9R				
Item 3	Pos O-tol, HemaTrace	Neg AP, PSA	NT	
Item 4	Pos O-tol, HemaTrace	Neg AP, PSA	NT	
TVTYBT				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
TVYCV9				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
TXZGAP				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
U9FCEF				
Item 3	Pos ALS, TMB, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos ALS, TMB, HemaTrace	Neg ALS, AP	NT	

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
UBYT7Z					
Item 3	Pos PTMB	Neg AP	NT		Human Origin, Pos QF
Item 4	Pos PTMB	Neg AP	NT		Human Origin, Pos QF
UDPRLJ					
Item 3	Pos O-tol	Neg ALS, AP, Micro, PSA	Neg Amylase Diffusion		
Item 4	Pos O-tol	Neg ALS, AP, Micro, PSA	Neg Amylase Diffusion		
UFHN9R					
Item 3	Pos KM	Neg AP, Micro for sperm	NT		
Item 4	Pos KM	Neg AP, Micro for sperm	NT		
UHKLJK					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
UMHXPB					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Neg ALS, AP	NT		
UQZ62Y					
Item 3	Pos O-tol, HemaTrace	Neg PSA, p30 Abacard	NT		
Item 4	Pos O-tol, HemaTrace	Neg PSA, p30 Abacard	NT		
URUV8D					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Neg AP	NT		
UW9JVG					
Item 3	Pos O-tol	Neg AP, ALS	NT		
Item 4	Pos O-tol	Neg AP, ALS	NT		
V2FCFE					
Item 3	Pos PHTH	Neg BCIP	NT		
Item 4	Pos PHTH	Neg BCIP	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
V3TYYE				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
V8GZLK				
Item 3	Pos KM, TMB	Neg AP	NT	
Item 4	Pos KM, TMB	Neg AP	NT	
V8JHTV				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP, Micro	NT	
VB2TU7				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
VEY42Z				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Neg AP	NT	
VG8C7D				
Item 3	Pos KM, HemaTrace	Neg BCIP	NT	
Item 4	Pos KM, HemaTrace	Neg BCIP	NT	
VLHCGJ				
Item 3	Pos KM, Hemastix, HemaTrace	NT	NT	
Item 4	Pos KM, Hemastix, HemaTrace	NT	NT	
VM9PN9				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
VMFNA7				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
VNRCLQ				
Item 3	Pos LMG, Ouchterlony (anti-HuHb)	Neg AP, PSA, Micro	NT	
Item 4	Pos LMG, Ouchterlony (anti-HuHb)	Neg AP, PSA, Micro	NT	
W4Q78				
Item 3	Pos KM, HemDirect	Neg ALS, AP, Micro	NT	
Item 4	Pos KM, HemDirect	Neg ALS, AP, Micro	NT	
WV223A				
Item 3	Pos LMG, HemaTrace	NT	NT	
Item 4	Pos LMG, HemaTrace	NT	NT	
VXUUV9				
Item 3	Pos KM, Takayama	Neg AP, p30, Micro	Neg RSID-Saliva	Human Origin, Pos Quant Plexor H/Y
Item 4	Pos KM, Takayama	Neg AP, p30, Micro	Neg RSID-Saliva	Human Origin, Pos Quant Plexor H/Y
W2RLRC				
Item 3	Pos KM			
Item 4	Pos KM			
W3M4TD				
Item 3	Pos LMG	Neg ALS, AP	NT	
Item 4	Pos LMG	Neg ALS, AP	NT	
W4QXCQ				
Item 3	NT	Neg PSA	Neg RSID-Saliva	Male DNA, Pos Y-screening
Item 4	NT	Neg PSA	Neg RSID-Saliva	Male DNA, Pos Y-screening
W69XL8				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
W8Q98P				
Item 3	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening

TABLE 1

Webcode	Fluid ID				Other
	Blood	Semen	Saliva		
WA2YLZ					
Item 3	Pos O-tol	Neg AP	NT		
Item 4	Pos O-tol	Neg AP	NT		
WBFLY9					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	NT	NT		
WCA3JH					
Item 3	Pos KM, ABACard-Hematrace	Neg AP	Neg Phadebas	Human Origin, Pos Quantifiler Human	
Item 4	Pos KM, ABACard-Hematrace	Neg AP	Neg Phadebas	Human Origin, Pos Quantifiler Human	
WEVWCC					
Item 3	Pos KM, HemaTrace	Neg BCIP	Neg Phadebas		
Item 4	Pos KM, HemaTrace	Neg BCIP	Neg Phadebas		
WEZDBB					
Item 3	Pos Phenolphthalein, HemaTrace	Neg BCIP	NT		
Item 4	Pos Phenolphthalein, HemaTrace	Neg BCIP	Neg Phadebas		
WLCGBH					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Neg AP	NT		
WNRM4E					
Item 3	Pos KM, HemDirect	Neg AP, PSA	NT		
Item 4	Pos KM, HemDirect	Neg AP, PSA	NT		
WQA4Y6					
Item 3	Pos O-tol	Neg AP	NT		
Item 4	Pos O-tol	Neg AP	NT		
WY393E					
Item 3	Pos HemDirect	Neg AP	NT		
Item 4	Pos HemDirect	Neg AP	NT		

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
X32ZQ6				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP	NT	
X4PK4N				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
XA2CUE				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	NT	NT	
XBAMBQ				
Item 3	Pos O-tol, HemaTrace	NT	NT	
Item 4	Pos O-tol, HemaTrace	NT	NT	
XEDACA				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
XFG8EP				
Item 3	Pos KM	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM	Neg AP, Micro, PSA	Neg Phadebas	
XJ84BW				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Neg AP		
XJ87ZZ				
Item 3	Pos KM, HemaTrace	Neg ALS, PSA, Micro, AP	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, PSA, Micro, AP	NT	
XLQ8VM				
Item 3	Pos KM	Neg AP, PSA	NT	
Item 4	Pos KM	Neg AP, PSA	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
XRHNC8				
Item 3	Pos LMG, HemaTrace	NT	NT	
Item 4	Pos LMG, HemaTrace	NT	NT	
XTW6FD				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
XVGY98				
Item 3	Pos HemaTrace	Neg AP, Micro	Neg RSID-Saliva	
Item 4	Pos HemaTrace	Neg AP, Micro	Neg RSID-Saliva	
XWN99Q				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Neg ALS, AP	NT	
Y6KDPY				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, P30, Micro	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, AP, P30, Micro	NT	
Y8RKF7				
Item 3	Pos KM, O-tol, RSID-blood, HemaTrace	NT	NT	
Item 4	Pos KM, O-tol, RSID-blood, HemaTrace	NT	NT	
Y9HU4E				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
YADD7F				
Item 3	Pos	Neg Micro	NT	Immunocromatography, Semenogelin
Item 4	Pos	Neg Micro	NT	Immunocromatography, Semenogelin
YDCP4Z				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
YENQNE				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
YGH6K6				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
YHDM7				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
YMG2J				
Item 3	Pos PTMB	NT	NT	
Item 4	Pos PTMB	NT	NT	
YPPWZZ				
Item 3	Pos KM, HemaTrace	Neg AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Neg AP, Micro	Neg Phadebas	
YQGA46				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
YX2BKH				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Neg AP		
YXK8X3				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
YYU4FZ				
Item 3	Pos KM, HemaTrace	Neg ALS, Micro, PSA, AP	NT	
Item 4	Pos KM, HemaTrace	Neg ALS, Micro, PSA, AP	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
Z3Q8KT				
Item 3	Pos O-tol, HemaTrace			
Item 4	Pos O-tol, HemaTrace			
Z4KXQ8				
Item 3	Pos KM, HemDirect	Neg AP	NT	
Item 4	Pos KM, HemDirect	Neg AP	NT	
Z7A2MK				
Item 3	Pos LMG	Neg AP, Micro, PSA	NT	
Item 4	Pos LMG	Neg AP, Micro, PSA	NT	
Z8HGUG				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Neg AP	NT	
Z9H6L3				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	
ZCVYB8				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Neg AP	NT	
ZQG8DE				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Neg AP	NT	
ZR9FCH				
Item 3	Pos KM	Neg AP	Neg Phadebas paper	
Item 4	Pos KM	Neg AP	Neg Phadebas paper test	
ZTHNXN				
Item 3	Pos KM; HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos KM; HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ZX2L27				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Neg AP	NT	
ZYW448				
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID-Saliva	
Item 4	Pos O-tol	Neg AP, Micro	Neg RSID-Saliva	

Table 1: Serology Screening Response Summary **Item 3** Participants: **352**

ITEM 3:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	351	0	0
Negative	0	262	81
Inconclusive	0	0	0
Not Tested (NT)	1	84	259
Not Reported	0	6	12

Table 1: Serology Screening Response Summary **Item 4** Participants: **352**

ITEM 4:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	351	0	0
Negative	0	256	80
Inconclusive	0	0	0
Not Tested (NT)	1	90	260
Not Reported	0	6	12

Amplification Kit(s) & STR Results

TABLE 2

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

Item 1 - STR Results

28FT7K	Identifiler® , GlobalFiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
29BC9M	Identifiler® PLUS, PowerPlex® HS						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
29GRDZ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2BG28P	Identifiler®						
	1	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
2BKPM8	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2HZ87G	PowerPlex® 16HS, ESX17						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13	16,17	7,9	8,11	14,16
2KABR7	Identifiler® Plus						
	1	N/A	22,25	N/A	16,17	12	8,9
		13,15	N/A	N/A	11,12	9	13,17
		13,16	28,31.2	N/A	X,Y	11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

2R3K7G	PowerPlex® ESI-17 FAST						
	1	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16
2TEFRA	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2X9EZD	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2XBW8N	GlobalFiler Express						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
2XWDMQ	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
2Y9Z9C	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2YZAML	Identifiler® Plus, PowerPlex® HS						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

32P6KE	GlobalFiler	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
3BDR2B	Identifiler®	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
3BU4JF	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
3J4EPL	Identifiler® DIRECT	1	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
3PF6M2	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
3PVQW4	GlobalFiler Express	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
					16,17	7,9	8,11	14,16
3UQH4Z	Identifiler® Plus, MiniFiler	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

3YLC22	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
42RUZW	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
43Y8BJ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
44UQCK	Identifiler® PLUS, PowerPlex® HS						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
4ERMG8	Identifiler®						
	1	N/A	22,25	N/A	16,17	12	8,9
		13,15	N/A	N/A	11,12	9	13,17
		13,16	28,31.2	N/A	X,Y	11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
4GKNB3	GlobalFiler Express						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
4WVE3A	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

4XPTZZ	Identifiler® Plus, MiniFiler						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
693N46	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6AYXFU	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6CZ6HJ	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6GGBET	Investigator ESSplex Plus						
	1	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16
6J2EQX	GlobalFiler Express						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
6KWWB8	Globalfiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

6LU2R2	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6NUL8K	Identifiler® Plus, PowerPlex® ESX 17						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
6PP69L	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6PUDN2	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6YC899	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6YGBE7	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6ZCUG8	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

72X6K7	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
739876	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
78LU3U	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
7CJ9R6	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
7DRNWQ	Identifiler® Plus, PowerPlex® 18D						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
7KQZ6F	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
7KTNKY	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

7QKV38	PowerPlex® 16HS	1			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
7VUBCV	Identifiler® Plus	1		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
7Y8722	Identifiler® Plus	1		22,25	16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
829FLH	Identifiler®	1	N/A	22,25	N/A	16,17	12,12	8,9
			13,15	N/A	N/A	11,12	9,9	13,17
			13,16	28,31.2	N/A	X,Y	11,11	20,21
			N/A	N/A	N/A	7,9	8,11	14,16
8C979B	ESI17	1	14,16	22,25	10,14	16,17		
			13,15	12,14	19,21		9,9	13,17
			13,16	28,31.2	16,16	X,Y		20,21
					16,17	7,9		14,16
8FED8V	Identifiler® Plus	1		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
8HZ47E	Identifiler® Plus	1		22,25	16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

8L2CAN	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
8TGVR3	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
8URYWE	Identifiler® Direct	1	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
8UYTAU	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
8V79GZ	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
8ZXQ9W	PowerPlex® HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
9996UY	Identifiler®	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

9A3YPH	Identifiler® Direct, PowerPlex® ESX17						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
9C6WXP	PowerPlex® 16HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
9RC7F	Identifiler® Direct						
	1	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16
9FKFVD	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9G9HZU	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9K3CXV	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
9K3LGE	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

9LBQ6B	Identifiler® Plus, GlobalFiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
9PVLXV	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9QMPMW	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
9VHK4B	NGM						
	1	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16
9ZGLYY	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
A3FMTT	Identifiler® plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
A4B7VU	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

A4C446	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
A64432	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
A7TGGD	Profiler Plus						
	1				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
A8C2TB	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
A93DD3	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
AAFWCE	Identifiler® Direct						
	1	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16
AEFYMA	Identifiler® Plus						
	1	NA	22,25	NA	16,17	12,12	8,9
		13,15	NA	NA	11,12	9,9	13,17
		13,16	28,31.2	NA	X,Y	11,11	20,21
		NA	NA	NA	7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

ARK6MZ	Globalfiler Express						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
AU7YFU	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
AU8VN6	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
B63CYR	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
B6JHBB	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
B9G99A	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
BB876F	Identifiler® Plus, PowerPlex® ESX 17						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

BDHVJQ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BLRKWP	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BNW39Y	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
BP6EMU	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BRA346	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BT8DXM	PowerPlex® 16HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
BWTUGT	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

C2WABA	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
C4J3BH	PowerPlex® 16	1			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2	X,Y	11,11	20,21	
			12,12	12,13	7,9	8,11	14,16	
C6DTGX	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
C9BBC4	PowerPlex® 16	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2	X,Y	11	20,21	
			12	12,13	7,9	8,11	14,16	
C9DYZA	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
C9HFX9	Identifiler® Plus	1	NT	22,25	NT	16,17	12,12	8,9
			13,15	NT	NT	11,12	9,9	13,17
			13,16	28,31.2	NT	X,Y	11,11	20,21
			NT	NT	NT	7,9	8,11	14,16
C9XN9W	Identifiler® Direct	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	

TABLE 2

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

Item 1 - STR Results

CDAKPR	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
CH6EMT	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
CMJ3BV	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
CT7Q72	PowerPlex® 21	1	14,16	22,25	16,17	12,12	8,9	
			13,15		19,21	11,12	9,9	13,17
			13,16	28,31.2	X,Y	11,11	20,21	
			12,12	12,13	7,9	8,11	14,16	
CVRJYV	Identifiler®	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
CWKDUE	Identifiler® Direct, PowerPlex® ESX17	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
CXD9GM	Identifiler® PLUS	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	

TABLE 2

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

Item 1 - STR Results

CXVEHY	Identifiler®	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
DCVD4A	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
DJCWLN	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
DLVXFA	Identifiler®	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
DQC9LR	PowerPlex® 16	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2	X,Y	11	20,21	
			12	12,13	7,9	8,11	14,16	
DQUD26	PowerPlex® 21	1	14,16	22,25	N/A	16,17	12,12	8,9
			13,15	N/A	19,21	11,12	9,9	13,17
			13,16	28,31.2	N/A	X,Y	11,11	20,21
			12,12	12,13	N/A	7,9	8,11	14,16
DR2UZA	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	

TABLE 2

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

Item 1 - STR Results

DT48X6	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DUUFW8	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DYLP87	Identifiler® , Minifiler						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DYZ9R4	PowerPlex® 18D						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
DZ3WE9	Identifiler® Plus, MiniFiler						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DZHFY7	Identifiler® Plus, Minifiler						
	1	not typed	22,25	not typed	16,17	12,12	8,9
		13,15	not typed	not typed	11,12	9,9	13,17
		13,16	28,31.2	not typed	X,Y	11,11	20,21
		not typed	not typed	not typed	7,9	8,11	14,16
E3ZU37	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

E4UPG3	PowerPlex® 16	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
EBDQ6R	Identifiler® Plus	1		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
EF9GRQ	Globalfiler	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
EFQR2J	PowerPlex® 16HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
ERKY82	PowerPlex® 16 HS	1			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
EX8MU7	PowerPlex® Fusion, GlobalFiler	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13	16,17	7,9	8,11	14,16
EZFTBZ	Identifiler® Direct	1		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

F7JZMM	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
FH8BLD	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
FHUMLL	PowerPlex® 16HS	1				16,17	12	8,9
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
FJ9YDP	Identifiler® Plus, MiniFiler	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
FKYA3X	PowerPlex® 16	1				16,17	12	8,9
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
FM4Z3K	PowerPlex® 16 HS	1				16,17	12	8,9
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
FNJDVN	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

FPU2BU	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
FYG3Q4	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G2HUUU	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G3QPP2	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
G93N8L	Identifiler® plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G9ECK7	Profiler Plus						
	1				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
G9X7AM	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

GAA77H	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GCN6RR	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GJZNKQ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GLPTG4	Identifiler® PLUS						
	1	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
GQKME6	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
GTP4XU	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GTR6DZ	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

GWL4MP	Identifiler® plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16	
GXNKBN	PowerPlex® Fusion	1	22,25	10,14	16,17	12	8,9	
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
GYWUZZ	PowerPlex® 21	1	22,25		16,17	12,12	8,9	
			13,15	19,21	11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
HANRFJ	PowerPlex® 16 HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
HD9JQL	Identifiler® plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16	
HD9TA7	Identifiler®	1	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
HDEQXN	PowerPlex® 16	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

HUAHL	1	PowerPlex® 18D					
			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
HEGZG6	1	Identifiler® PLUS, PowerPlex® HS					
			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
HENR3V	1	Identifiler® Direct					
			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
			7,9	8,11	14,16		
HHM6NZ	1	PowerPlex® 21					
		14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
	12,12	12,13		7,9	8,11	14,16	
HKUMMV	1	PowerPlex® 16 HS					
					16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
	12,12	12,13		7,9	8,11	14,16	
HNWLXN	1	GlobalFiler					
		14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		16,17	7,9	8,11	14,16		
HVRDHB	1	Identifiler®					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11	14,16		

TABLE 2

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

Item 1 - STR Results

J2DPUH	PowerPlex® 16HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
J4JBLP	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
J6RM27	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
J7TBQW	PowerPlex® 16 HS						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
JE3LVG	ESI 16 Promega Fast						
	1	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16
JFA4UC	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
JJ7XJ2	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

JKTYW6	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
JMAGUF	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
JMQPU4	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
JMWUF8	Identifiler® Direct, PowerPlex® ESX17	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
JNRDH9	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	
JP6XEP	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2	X,Y	11	20,21	
					7,9	8,11	14,16	
JUUMN2	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2	X,Y	11,11	20,21	
					7,9	8,11	14,16	

TABLE 2

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

Item 1 - STR Results

K4CMHG	PowerPlex® 16 HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2	X,Y	11	20,21	
			12	12,13	7,9	8,11	14,16	
K687JH	PowerPlex® 16HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2	X,Y	11	20,21	
			12	12,13	7,9	8,11	14,16	
K72PPP	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
KAXPCZ	Identifiler®	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
KCTYX3	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
KF9H3Q	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
KKM4Q4	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

KLR2U	Identifiler® Direct	1	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
KLX4MX	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
KMRKAT	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
KV2BC7	PowerPlex® ESI17	1	14,16	22,25	10,14	16,17		
			13,15	12,14	19,21		9,9	13,17
			13,16	28,31.2	16,16	X,Y		20,21
					16,17	7,9		14,16
KZCCLG	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
L4UTG7	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
LAGJ42	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

LBBEHX	1	ESI17-FAST					
		14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
			16,17	7,9		14,16	
LCNYB8	1	Identifiler® Plus					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11		14,16	
LF6FF6	1	Identifiler®					
		N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	7,9	8,11	14,16	
LLAEQV	1	PowerPlex® ESI 16					
		14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9	13,17
		13,16	28,31.2	16	X,Y		20,21
			7,9		14,16		
LMNPUU	1	PowerPlex® Fusion					
		14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
LUZW64	1	Identifiler®					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11		14,16	
LVF87G	1	Identifiler® Plus					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11		14,16	

TABLE 2

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

Item 1 - STR Results

LXZ9Z4	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
LZF8TT	Identifiler® Plus, MiniFiler, Profiler Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
M8BQBE	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
M9FECX	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
MDR9JF	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
ME4V8W	Identifiler® 1510189	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
MEQ83N	Identifiler® PLUS	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

MFMQ6Q	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
MQKQGU	PowerPlex® 21						
	1	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
MQNB8H	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
N2KE9Q	PowerPlex® 16HS						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
N79EVX	GlobalFiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
N7F6GN	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
N7VRQP	PowerPlex® 21						
	1	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

NCK4RD	PowerPlex® 16HS						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
NDQRUW	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
NDWQHE	Identifiler® , GlobalFiler Express						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
NELCWN	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NGQM6K	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NL4RCE	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NP9BMT	PowerPlex® 21						
	1	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

NRT6FM	Identifiler®						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
NXVEMF	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
NYQWNG	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
NZPV8P	PowerPlex® 21						
	1	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
P3QHVK	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
P73FGF	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
P7QGL7	PowerPlex® 16						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

P8LYN8	Identifiler® plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
P9BQDJ	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
PDKQNN	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
PDRVAT	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
PGRUVJ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
PKMVKE	PowerPlex® HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
PMYLXP	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

PN8MVG	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16	
PQCKXW	PowerPlex® Fusion	1	22,25	10,14	16,17	12	8,9	
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
PQD8L3	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16	
PQHFBZ	GlobalFiler Express	1	22,25	10,14	16,17	12	8,9	
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
					16,17	7,9	8,11	14,16
PV6E4B	PowerPlex® Fusion	1	22,25	10,14	16,17	12,12	8,9	
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
PWJ2FX	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16	
PWKP6P	PP21	1	22,25		16,17	12,12	8,9	
			13,15	19,21	11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

PWZVG9	PowerPlex® 16	1			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
QBG9CE	Globalfiler	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
QBRCJB	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
QD4RDC	PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
QFNT8Y	Identifiler® , PowerPlex® Fusion	1	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
QGHLTA	PowerPlex® 16 HS	1			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
QK64DF	PowerPlex® 16	1			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

QPTZMY	Identifiler®	1	N/A	22,25	N/A	16,17	12,12	8,9
			13,15	N/A	N/A	11,12	9,9	13,17
			13,16	28,31.2	N/A	X,Y	11,11	20,21
			N/A	N/A	N/A	7,9	8,11	14,16
QRYHLU	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
QUCWQG	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
QZAK8V	Identifiler® PLUS	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
R7J3GA	Identifiler® Plus	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
R8RCVY	Identifiler®	1	N/A	22,25	N/A	16,17	12,12	8,9
			13,15	N/A	N/A	11,12	9,9	13,17
			13,16	28,31.2	N/A	X,Y	11,11	20,21
			N/A	N/A	N/A	7,9	8,11	14,16
R9M7GB	Identifiler®	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

RAXLDW	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
RBUC8H	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RDF7YC	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RGEGVC	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
RGXGLV	Profiler Plus 10						
	1				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
RJ4Q3R	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
RN28FL	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

RN2A8C	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RQJLTU	Identifiler® Plus, PowerPlex® HS						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
RRXYLX	Identifiler® Direct, PowerPlex® ESX17						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
RTRQBP	PowerPlex® 16, 18D						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
RU4EWA	GlobalFiler Express						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
RWYVGK	Globalfiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
RZAVQ6	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

T6FX2Y	Identifiler®	1	n/a	22,25	n/a	16,17	12,12	8,9
			13,15	n/a	n/a	11,12	9,9	13,17
			13,16	28,31.2	n/a	X,Y	11,11	20,21
			n/a	n/a	n/a	7,9	8,11	14,16
TC79CM	PowerPlex® 16 HS	1				16,17	12,12	8,9
			13,15			11,12	9,9	13,17
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
TEQ6UL	Identifiler® Plus	1		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
TJYT62	PowerPlex® 16	1				16,17	12,12	8,9
			13,15			11,12	9,9	13,17
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
TKFPX2	Globalfiler	1	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
TNUM33	Identifiler® Plus, PowerPlex® 18D	1		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
TQX6DR	Identifiler® Plus Kit, PowerPlex® 21 System	1	14,16	22,25		16,17	12	8,9
			13,15		19,21	11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

TRDEE7	PowerPlex® 16HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
TUXF9R	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TVTYBT	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TVYCV9	Identifiler® plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TXZGAP	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
U378CV	Identifiler® Plus, PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
U9FCEF	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

UBYT7Z	1	Globalfiler					
		14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
			16,17	7,9	8,11	14,16	
UDPRLJ	1	Identifiler®					
			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
			7,9	8,11	14,16		
UFHN9R	1	Identifiler® Plus, MiniFiler					
		NT	22,25	NT	16,17	12,12	8,9
		13,15	NT	NT	11,12	9,9	13,17
		13,16	28,31.2	NT	X,Y	11,11	20,21
		NT	NT	NT	7,9	8,11	14,16
UHKLJK	1	Identifiler® Plus					
		N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	7,9	8,11	14,16	
UMHXPB	1	Identifiler® Direct					
			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
			7,9	8,11	14,16		
UQZ62Y	1	Identifiler® Plus					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11	14,16		
URUV8D	1	Identifiler® Plus					
			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
			7,9	8,11	14,16		

TABLE 2

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

Item 1 - STR Results

UW9JVG	GlobalFiler						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
V2FCFE	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
V3TYE	Identifiler® DIRECT						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
V8GZLK	Identifiler® Plus, Minifiler						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
V8JHTV	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VB2TU7	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VDP348	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

VEY42Z	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VG8C7D	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VHYGER	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VLHCGJ	Identifiler® Direct						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VM9PN9	PowerPlex® HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
VMFNA7	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VNRCLQ	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

W4Q78	Identifiler®	1	22,25		16,17	12,12	8,9	
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
VW223A	PowerPlex® 16	1			16,17	12	8,9	
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
VXUUV9	Identifiler® Plus	1	22,25		16,17	12,12	8,9	
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
W2RLRC	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
W3M4TD	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
W4QXCQ	PowerPlex® HS	1			16,17	12	8,9	
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
W69XL8	Identifiler® Plus	1	22,25		16,17	12	8,9	
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

W8Q98P	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WA2YLZ	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WBFLY9	PowerPlex® 16						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
WCA3JH	COfiler® and Profiler Plus® , Identifiler® Plus, MiniFiler						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WEWCC	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WEZDBB	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WLCGBH	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

WNRM4E	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WQA4Y6	PowerPlex® HS						
	1				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
WY393E	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
X32ZQ6	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
X4PK4N	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XA2CUE	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XBAMBQ	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

XFG8EP	Identifiler® Direct						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
XJ84BW	Identifiler® Plus Direct						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
XLQ8VM	PowerPlex® Fusion						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13	NA	7,9	8,11	14,16
XRHNC8	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
XTW6FD	Identifiler® Direct						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XVG98	Globalfiler						
	1	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
XWN99Q	Identifiler®						
	1	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

Y8RKF7	Identifiler® Plus, MiniFiler						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
Y9HU4E	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YADD7F	PowerPlex® HS, ESX, NGM Select						
	1	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13	16,17	7,9	8,11	14,16
YDCP4Z	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YDVRJN	PowerPlex® 16HS						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YENQNE	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YGH6K6	Identifiler® Plus, MiniFiler						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

YHDNM7	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YMGT2J	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YPPWZZ	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YQGA46	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YX2BKH	Identifiler®						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YXK8X3	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
Z3Q8KT	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 1 - STR Results

Z4KXQ8	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
Z7A2MK	Identifiler® Plus						
	1	n/t	22,25	n/t	16,17	12,12	8,9
		13,15	n/t	n/t	11,12	9,9	13,17
		13,16	28,31.2	n/t	X,Y	11,11	20,21
		n/t	n/t	n/t	7,9	8,11	14,16
Z8HGUG	Identifiler® Plus						
	1		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
Z9H6L3	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ZCVYB8	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ZQG8DE	PowerPlex® 16						
	1				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
ZR9FCH	Promega ESI-17						
	1	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16

TABLE 2

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

Item 1 - STR Results

ZTHNXN	Identifiler® Plus, PowerPlex® 16HS						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
ZX2L27	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ZYW448	Identifiler® Plus						
	1		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 2 - STR Results

28FT7K	Identifiler® , GlobalFiler						
2		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
29BC9M	Identifiler® PLUS, PowerPlex® HS						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
29GRDZ	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
2BG28P	Identifiler®						
2		N/A	18,19	N/A	15,16	9,11	10,10
		10,12	N/A	N/A	11,12	13,13	16,16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	N/A	7,7	9,10,11	11,15
2BKPM8	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
2HZ87G	PowerPlex® 16HS, ESX17						
2		11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14	16,18	7,7	9,10,11	11,15
2KABR7	Identifiler® Plus						
2		N/A	18,19	N/A	15,16	9,11	10
		10,12	N/A	N/A	11,12	13	13,16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	N/A	7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

2R3K7G	PowerPlex® ESI-17 FAST						
	2	11,16.3	18,19	10,11	15,16		
		10,12	14,14			13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
				16,18	7,7		11,15
2TEFRA	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
2X9EZD	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
2XBW8N	GlobalFiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
2XWDMQ	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
2Y9Z9C	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
2YZAML	Identifiler® Plus, PowerPlex® HS						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

32P6KE	GlobalFiler	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
3BDR2B	Identifiler®	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
3BU4JF	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	[13],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
3J4EPL	Identifiler® DIRECT	2	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
3PF6M2	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
3PVQW4	GlobalFiler Express	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
3UQH4Z	Identifiler® Plus, MiniFiler	2		18,19		15,16	9,11	10
			10,12			11,12	13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

3YLC22	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
42RUZW	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
43Y8BJ	Identifiler® Plus, PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
44UQCK	Identifiler® PLUS, PowerPlex® HS						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
4ERMG8	Identifiler®						
	2	N/A	18,19	N/A	15,16	9,11	10
		10,12	N/A	N/A	11,12	13	16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	N/A	7	9,10,11	11,15
4GKNB3	GlobalFiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
4WVE3A	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

4XPTZZ	Identifiler® Plus, MiniFiler						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
693N46	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
6AYXFU	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
6CZ6HJ	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
6GGBET	Investigator ESSplex Plus						
	2	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
					7,7		11,15
6J2EQX	GlobalFiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
6KWWB8	Globalfiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

6LU2R2	Identifiler®	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
6NUL8K	Identifiler® Plus, PowerPlex® ESX 17	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
6PP69L	Identifiler® Plus	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
6PUDN2	Identifiler®	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
6YC899	Identifiler®	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
6YGBE7	Identifiler® Direct	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
6ZCUG8	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

72X6K7

2		18,19		15,16	9,11	10,10
		10,12		11,12	13,13	16,16
		13,13.2	31,31.2	X,Y	11,12	22,24
				7,7	9,10,11	11,15

739876 Identifiler®

2		18,19		15,16	9,11	10
		10,12		11,12	13	16
		13,13.2	31,31.2	X,Y	11,12	22,24
				7	9,10,11	11,15

78LU3U PowerPlex® Fusion

2		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

7CJ9R6 Identifiler®

2		18,19		15,16	9,11	10,10
		10,12		11,12	13,13	16,16
		13,13.2	31,31.2	X,Y	11,12	22,24
				7,7	9,10,11	11,15

7DRNWQ Identifiler® Plus, PowerPlex® 18D

2		18,19		15,16	9,11	10
		10,12		11,12	13	13,16
		13,13.2	31,31.2	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11

7KQZ6F Identifiler® Plus

2		18,19		15,16	9,11	10
		10,12		11,12	13	16
		13,13.2	31,31.2	X,Y	11,12	22,24
				7	9,10,11	11,15

7KTNKY PowerPlex® Fusion

2		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

7QKV38	PowerPlex® 16HS	2			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
7VUBCV	Identifiler® Plus	2		18,19	15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
7Y8722	Identifiler® Plus	2		18,19	15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
829FLH	Identifiler®	2	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
8C979B	ESI17	2	11,16.3	18,19	10,11	15,16		
			10,12	14,14	18,19		13,13	13,16
			13,13.2	31,31.2	11,15	X,Y		22,24
					16,18	7,7		11,15
8FED8V	Identifiler® Plus	2		18,19	15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
8HZ47E	Identifiler® Plus	2		18,19	15,16	9,11	10,10	
			10,12		11,12	13,13	[13],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

8L2CAN	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
8TGVR3	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
8URYWE	Identifiler® Direct	2	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
8UYTAU	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
8V79GZ	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	[13],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
8ZXQ9W	PowerPlex® HS	2			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
9996UY	Identifiler®	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

9A3YPH	Identifiler® Direct, PowerPlex® ESX17						
2		11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
9C6WXP	PowerPlex® 16HS						
2					15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
9CRC7F	Identifiler® Direct						
2		-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15
9FKFVD	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
9G9HZU	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
9K3CXV	Identifiler® Plus						
2			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
9K3LGE	Identifiler® Plus						
2			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

9LBQ6B	Identifiler® Plus, GlobalFiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
9PVLXV	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
9QMPMW	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
9VHK4B	NGM						
	2	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	16,16
		13,13.2	31,31.2	11,15	X,Y		22,24
					7,7		11,15
9ZGLYY	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
A3FMTT	Identifiler® plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
A4B7VU	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

A4C446	PowerPlex® 16	2				15,16	9,11	10	
			10,12			11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24	
			9,12	13,14		7	9,10,11	11,15	
A64432	Identifiler®	2		18,19		15,16	9,11	10	
			10,12			11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24	
						7	9,10,11	11,15	
A7TGGD	Profiler Plus	2				15,16	9,11	10,10	
			10,12			11,12		16,16	
				31,31.2		X,Y		22,24	
								11,15	
A8C2TB	PowerPlex® 16	2				15,16	9,11	10	
			10,12			11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24	
			9,12	13,14		7	9,10,11	11,15	
A93DD3	PowerPlex® 16	2				15,16	9,11	10	
			10,12			11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24	
			9,12	13,14		7	9,10,11	11,15	
AAFWCE	Identifiler® Direct	2	-	18,19	-	15,16	9,11	10	
			10,12	-	-	11,12	13	16	
			13,13.2	31,31.2	-	X,Y	11,12	22,24	
			-	-	-	7	9,10,11	11,15	
AEFYMA	Identifiler® Plus	2	NA	18,19	NA	15,16	9,11	10,10	
			10,12	NA	NA	11,12	13,13	[13],16	
			13,13.2	31,31.2	NA	X,Y	11,12	22,24	
			NA	NA	NA	7,7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

ARK6MZ	Globalfiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
AU7YFU	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
AU8VN6	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
B63CYR	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
B6JHBB	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
B9G99A	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
BB876F	Identifiler® Plus, PowerPlex® ESX 17						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

BDHVJQ	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
BLRKWP	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
BNW39Y	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
BP6EMU	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
BRA346	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
BT8DXM	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
BWTUGT	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

C2WABA	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
C4J3BH	PowerPlex® 16						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
C6DTGX	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
C9BBC4	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
C9DYZA	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
C9HFX9	Identifiler® Plus						
	2	NT	18,19	NT	15,16	9,11	10,10
		10,12	NT	NT	11,12	13,13	[13],16
		13,13.2	31,31.2	NT	X,Y	11,12	22,24
		NT	NT	NT	7,7	9,10,11	11,15
C9XN9W	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

CDAKPR	Identifiler® Plus	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
CH6EMT	Identifiler® Plus	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
CMJ3BV	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
CT7Q72	PowerPlex® 21	2	11,16.3	18,19	15,16	9,11	10,10	
			10,12		18,19	11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
CVRJYV	Identifiler®	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
CWKDUE	Identifiler® Direct, PowerPlex® ESX17	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
CXD9GM	Identifiler® PLUS	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

CXVEHY	Identifiler®						
	2		18,19		15,16	9,11	10,--
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DCVD4A	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DJCWLN	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
DLVXFA	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DQC9LR	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
DQUD26	PowerPlex® 21						
	2	11,16.3	18,19	N/A	15,16	9,11	10,10
		10,12	N/A	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		9,12	13,14	N/A	7,7	9,10,11	11,15
DR2UZA	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

DT48X6	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DUUFW8	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DYLP87	Identifiler® , Minifiler						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DYZ9R4	PowerPlex® 18D						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
DZ3WE9	Identifiler® Plus, MiniFiler						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DZHFY7	Identifiler® Plus, Minifiler						
	2	not typed	18,19	not typed	15,16	9,11	10,10
		10,12	not typed	not typed	11,12	13,13	13,16
		13,13.2	31,31.2	not typed	X,Y	11,12	22,24
		not typed	not typed	not typed	7,7	9,10,11	11,15
E3ZU37	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

E4UPG3	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
EBDQ6R	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
EF9GRQ	Globalfiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
EFQR2J	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
ERKY82	PowerPlex® 16 HS						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
EX8MU7	PowerPlex® Fusion, GlobalFiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14	16,18	7	9,10,11	11,15
EZFTBZ	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

F7JZMM	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
FH8BLD							
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
FHUMLL	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
FJ9YDP	Identifiler® Plus, MiniFiler						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
FKYA3X	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
FM4Z3K	PowerPlex® 16 HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
FNJDVN	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

FPU2BU	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
FYG3Q4	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
G2HMUU	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
G3QPP2	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
G93N8L	Identifiler® plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
G9ECK7	Profiler Plus						
	2				15,16	9,11	10,10
		10,12			11,12		16,16
			31,31.2		X,Y		22,24
							11,15
G9X7AM	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

GAA77H	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
GCN6RR	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
GJZNKQ	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
GLPTG4	Identifiler® PLUS						
	2	N/A	18,19	N/A	15,16	9,11	10,10
		10,12	N/A	N/A	11,12	13,13	[13],16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	N/A	7,7	9,10,11	11,15
GQKME6	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
GTP4XU	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
GTR6DZ	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

GWL4MP	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
GXNKBN	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
GYWUZZ	PowerPlex® 21						
	2	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
HANRFJ	PowerPlex® 16 HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
HD9JQL	Identifiler® plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
HD9TA7	Identifiler®						
	2	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15
HDEQXN	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

HDUAHL	PowerPlex® 18D						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
HEGZG6	Identifiler® PLUS, PowerPlex® HS						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
HENR3V	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
HHM6NZ	PowerPlex® 21						
	2	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
HKUMMV	PowerPlex® 16 HS						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
HNWLXN	GlobalFiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
HVRDHB	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

J2DPUH	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
J4JBLP	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
J6RM27	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
J7TBQW	PowerPlex® 16 HS						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
JE3LVG	ESI 16 Promega Fast						
	2	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
					7,7		11,15
JFA4UC	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
JJ7XJ2	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

JKTYW6	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
JMAGUF	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
JMQPU4	Identifiler® Plus, PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15	
JMWUF8	Identifiler® Direct, PowerPlex® ESX17						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			16,18	7,7	9,10,11	11,15	
JNRDH9	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
JP6XEP	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
JUUMN2	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

K4CMHG	PowerPlex® 16 HS	2			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
K687JH	PowerPlex® 16HS	2			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
K72PPP	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
KAXPCZ	Identifiler®	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
KCTYX3	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
KF9H3Q	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
KKM4Q4	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

KLR2U	Identifiler® Direct	2	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
KLX4MX	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	[13],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
KMRKAT	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	[INC],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
KV2BC7	PowerPlex® ESI17	2	11,16.3	18,19	10,11	15,16		
			10,12	14,14	18,19		13,13	13,16
			13,13.2	31,31.2	11,15	X,Y		22,24
					16,18	7,7		11,15
KZCCLG	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
L4UTG7	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
LAGJ42	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

LBBEHX	2	ESI17-FAST					
		11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
			16,18	7,7		11,15	
LCNYB8	2	Identifiler® Plus					
			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
			7,7	9,10,11		11,15	
LF6FF6	2	Identifiler®					
		N/A	18,19	N/A	15,16	9,11	10,10
		10,12	N/A	N/A	11,12	13,13	16,16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	7,7	9,10,11	11,15	
LLAEQV	2	PowerPlex® ESI 16					
		11,16.3	18,19	10,11	15,16		
		10,12	14	18,19		13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
			7		11,15		
LMNPUU	2	PowerPlex® Fusion					
		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15	
LUZW64	2	Identifiler®					
			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
			7,7	9,10,11		11,15	
LVF87G	2	Identifiler® Plus					
			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
			7,7	9,10,11		11,15	

TABLE 2

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

Item 2 - STR Results

LXZ9Z4	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
LZF8TT	Identifiler® (i.e. ID Plus), MiniFiler, Profiler Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16/13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
M8BQBE	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
M9FECX	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
MDR9JF	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	[13],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
ME4V8W	Identifiler® 1510189	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
MEQ83N	Identifiler® PLUS	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

MFMQ6Q	Identifiler® Direct						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
MQKQGU	PowerPlex® 21						
2		11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
MQNB8H	Identifiler®						
2			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
N2KE9Q	PowerPlex® 16HS						
2					15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
N79EVX	GlobalFiler						
2		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
N7F6GN	Identifiler® Plus						
2			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
N7VRQP	PowerPlex® 21						
2		11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

NCK4RD	PowerPlex® 16HS						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
NDQRUW	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
NDWQHE	Identifiler® , GlobalFiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
NELCWN	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NGQM6K	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NL4RCE	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NP9BMT	PowerPlex® 21						
	2	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

NRT6FM	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
NXVEMF	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
NYQWNG	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
NZPV8P	PowerPlex® 21						
	2	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
P3QHYP	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
P73FGF	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
P7QGL7	PowerPlex® 16						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

P8LYN8	Identifiler® plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
P9BQDJ	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
PDKQNN	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
PDRVAT	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
PGRUVJ	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
PKMVKE	PowerPlex® HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
PMYLXP	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

PN8MVG	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
PQCKXW	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
PQD8L3	Identifiler® Plus	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
PQHFBZ	GlobalFiler Express	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
PV6E4B	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
PWJ2FX	Identifiler® plus	2	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
PWKP6P	PP21	2	11,16.3	18,19		15,16	9,11	10,10
			10,12		18,19	11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

PWZVG9	PowerPlex® 16	2			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
QBG9CE	Globalfiler	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
QBRCJB	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QD4RDC	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QFNT8Y	Identifiler® , PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QGHLTA	PowerPlex® 16 HS	2			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QK64DF	COfiler® and Profiler Plus® , PowerPlex® 16	2			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

QPTZMY	Identifiler®	2	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
QRYHLU	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
QUCWQG	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
QZAK8V	Identifiler® PLUS	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
R7J3GA	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
R8RCVY	Identifiler®	2	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
R9M7GB	Identifiler®	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

RAXLDW	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
RBUC8H	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RDF7YC	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RGEGVC	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
RGXGLV	Profiler Plus 10						
	2				15,16	9,11	10,10
		10,12			11,12		16,16
			31,31.2		X,Y		22,24
							11,15
RJ4Q3R	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
RN28FL	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

RN2A8C	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RQJLTU	Identifiler® Plus, PowerPlex® HS						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RRXYLX	Identifiler® Direct, PowerPlex® ESX17						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
RTRQBP	PowerPlex® 16, 18D						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RU4EWA	GlobalFiler Express						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
RWYVGK	Globalfiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
RZAVQ6	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

T6FX2Y	Identifiler®	2	n/a	18,19	n/a	15,16	9,11	10,10
			10,12	n/a	n/a	11,12	13,13	16,16
			13,13.2	31,31.2	n/a	X,Y	11,12	22,24
			n/a	n/a	n/a	7,7	9,10,11	11,15
TC79CM	PowerPlex® 16 HS	2				15,16	9,11	10,10
			10,12			11,12	13,13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
TEQ6UL	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
TJYT62	PowerPlex® 16	2				15,16	9,11	10,10
			10,12			11,12	13,13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
TKFPX2	Globalfiler	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
TNUM33	Identifiler® Plus, PowerPlex® 18D	2		18,19		15,16	9,11	10
			10,12			11,12	13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
TQX6DR	PowerPlex® 21 System	2	11,16.3	18,19		15,16	9,11	10
			10,12		18,19	11,12	13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

TRDEE7	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
TUXF9R	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
TVTYBT	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
TVYCV9	Identifiler® plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
TXZGAP	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
U378CV	Identifiler® Plus, PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
U9FCEF	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

UBYT7Z	Globalfiler	2	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
UDPRLJ	Identifiler®	2		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
UFHN9R	Identifiler® Plus, MiniFiler	2	NT	18,19	NT	15,16	9,11	10,10
			10,12	NT	NT	11,12	13,13	13,16
			13,13.2	31,31.2	NT	X,Y	11,12	22,24
			NT	NT	NT	7,7	9,10,11	11,15
UHKLJK	Identifiler® Plus	2	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
UMHXPB	Identifiler® Plus	2		18,19		15,16	9,11	10
			10,12			11,12	13	[INC],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
UQZ62Y	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
URUV8D	Identifiler® Plus	2		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

UW9JVG	GlobalFiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
V2FCFE	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
V3TYE	Identifiler® DIRECT						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
V8GZLK	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
V8JHTV	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VB2TU7	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
VDP348	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

VEY42Z	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VG8C7D	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
VHYGER	Identifiler® Plus, PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
VLHCGJ	Identifiler® Direct						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VM9PN9	PowerPlex® HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
VMFNA7	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
VNRCLQ	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

W4Q78	Identifiler®						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VW223A	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
VXUUV9	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
W2RLRC	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
W3M4TD	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
W4QXCQ	PowerPlex® HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
W69XL8	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

W8Q98P	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
WA2YLZ	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
WBFLY9	PowerPlex® 16						
	2				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
WCA3JH	COfiler® and Profiler Plus® , Identifiler® Plus, MiniFiler (MF)						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
WEWCC	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
WEZDBB	Identifiler®						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
WLCGBH	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

WNRM4E	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
WQA4Y6	PowerPlex® HS	2			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
WY393E	PowerPlex® Fusion	2	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
X32ZQ6	PowerPlex® 16	2			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
X4PK4N	Identifiler® Plus	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
XA2CUE	Identifiler® Direct	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
XBAMBQ	Identifiler®	2	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	

TABLE 2

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

Item 2 - STR Results

XFG8EP	Identifiler® Direct						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
XJ84BW	Identifiler® Plus Direct						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
XLQ8VM	PowerPlex® Fusion						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14	NA	7	9,10,11	11,15
XRHNC8	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
XTW6FD	Identifiler® Direct						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
XVG98	Globalfiler						
	2	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
XWN99Q	Identifiler®						
	2	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

Y8RKF7	Identifiler® Plus, MiniFiler						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
Y9HU4E	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
YADD7F	PowerPlex® HS, ESX, NGM Select						
	2	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14	16,18	7	9,10,11	11,15
YDCP4Z	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YDVRJN	PowerPlex® 16HS						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
YENQNE	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
YGH6K6	Identifiler® Plus, MiniFiler						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

YHDNM7	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YMGT2J	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YPPWZZ	Identifiler®						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YQGA46	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YX2BKH	Identifiler®						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YXK8X3	Identifiler® Plus						
2			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
Z3Q8KT	Identifiler® Plus						
2			18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 2 - STR Results

Z4KXQ8	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
Z7A2MK	Identifiler® Plus						
	2	n/t	18,19	n/t	15,16	9,11	10,10
		10,12	n/t	n/t	11,12	13,13	[13],16
		13,13.2	31,31.2	n/t	X,Y	11,12	22,24
		n/t	n/t	n/t	7,7	9,10,11	11,15
Z8HGUG	Identifiler® Plus						
	2		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
Z9H6L3	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
ZCVYB8	Identifiler® Plus						
	2		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
ZQG8DE	PowerPlex® 16						
	2				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
ZR9FCH	Promega ESI-17						
	2	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
				16,18	7,7		11,15

TABLE 2

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

Item 2 - STR Results

ZTHNXN	Identifiler® Plus, PowerPlex® 16HS						
2		18,19		15,16	9,11	10	
		10,12		11,12	13	13,16	
		13,13.2	31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7	9,10,11	11,15	
ZX2L27	Identifiler® Plus						
2		18,19		15,16	9,11	10	
		10,12		11,12	13	16	
		13,13.2	31,31.2	X,Y	11,12	22,24	
				7	9,10,11	11,15	
ZYW448	Identifiler® Plus						
2		18,19		15,16	9,11	10	
		10,12		11,12	13	16	
		13,13.2	31,31.2	X,Y	11,12	22,24	
				7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

28FT7K	GlobalFiler	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
29BC9M	Identifiler® PLUS, PowerPlex® HS	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
29GRDZ	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
2BG28P	Identifiler®	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
2BKPM8	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
2HZ87G	PowerPlex® 16HS, ESX17	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14	16,18	7,7	9,10,11	11,15
2KABR7	Identifiler® Plus	3	N/A	18,19	N/A	15,16	9,11	10
			10,12	N/A	N/A	11,12	13	13,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

2R3K7G	3	PowerPlex® ESI-17 FAST					
		11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
			16,18	7,7		11,15	
2X9EZD	3	Identifiler® Plus					
			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
			7	9,10,11	11,15		
2XBW8N	3	Globalfiler					
		11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			16,18	7,7	9,10,11	11,15	
2XWDMQ	3	PowerPlex® Fusion					
		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15
2Y9Z9C	3	Identifiler® Plus					
			18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
			7	9,10,11	11,15		
2YZAML	3	Identifiler® Plus, PowerPlex® HS					
			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15
32P6KE	3	GlobalFiler					
		11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			16,18	7,7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

3BU4JF	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
3J4EPL	Identifiler® PLUS						
	3	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
				7	9,10,11	11,15	
3PF6M2	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
3PVQW4	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
3UQH4Z	Identifiler® Plus, MiniFiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
3YLC22	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
42RUZW	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

43Y8BJ	Identifiler® Plus, PowerPlex® Fusion, Minifiler						
3	11,16.3	18,19	10,11	15,16	9,11	10	
	10,12	14	18,19	11,12	13	13,16	
	13,13.2	31,31.2	11,15	X,Y	11,12	22,24	
	9,12	13,14		7	9,10,11	11,15	
44UQCK	Identifiler® PLUS, PowerPlex® HS						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
	9,12	13,14		7	9,10,11	11,15	
4GKNB3	Identifiler® Plus						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
				7	9,10,11	11,15	
4WVE3A	Identifiler®						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
				7	9,10,11	11,15	
4XPTZZ	Identifiler® Plus, MiniFiler						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
				7	9,10,11	11,15	
693N46	Identifiler® Plus						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
				7	9,10,11	11,15	
6AYXFU	Identifiler® Plus						
3		18,19		15,16	9,11	10	
	10,12			11,12	13	16	
	13,13.2	31,31.2		X,Y	11,12	22,24	
				7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

6CZ6HJ	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
6GGBET	Investigator ESSplex Plus						
	3	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
					7,7		11,15
6J2EQX	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
6KWWB8	Globalfiler						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
6LU2R2	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
6NUL8K	Identifiler® Plus, PowerPlex® ESX 17						
	3	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
6PP69L	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

6PUDN2	Identifiler®	3	18,19		15,16	9,11	10,10
			10,12		11,12	13,13	16,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
6YC899	Identifiler®	3	18,19		15,16	9,11	10
			10,12		11,12	13	13,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
6YGBE7	Identifiler® Plus	3	18,19		15,16	9,11	10
			10,12		11,12	13	[INC],16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
6ZCUG8	Identifiler® Plus	3	18,19		15,16	9,11	10
			10,12		11,12	13	INC,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
72X6K7	Identifiler®	3	18,19		15,16	9,11	10,10
			10,12		11,12	13,13	16,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
739876	Identifiler®	3	18,19		15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
78LU3U	PowerPlex® 16HS	3			15,16	9,11	10
			10,12		11,12	13	13,16
				31,31.2	X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

7CJ9R6	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
7DRNWQ	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,[12]	22,24
					7	9,10,11	11,15
7KQZ6F	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
7KTNKY	PowerPlex® Fusion						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
7VUBCV	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
7Y8722	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
829FLH	Identifiler®						
	3	N/A	18,19	N/A	15,16	9,11	10,10
		10,12	N/A	N/A	11,12	13,13	16,16
		13,13.2	31,31.2	N/A	X,Y	11,12	22,24
		N/A	N/A	N/A	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

8C979B	ESI17						
	3	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
				16,18	7,7		11,15
8FED8V	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
8HZ47E	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
8L2CAN	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
8TGVR3	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
8URYWE	Identifiler® Plus						
	3	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15
8UYTAU	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

8V79GZ	Identifiler® Plus						
	3		18,19		15,16	12	10
		10,12			11,12	13	[13],16
		13,13.2	31,31.2		X,Y	11,12	20,21
					7	9,10,11	11,15
8ZXQ9W	PowerPlex® HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
9996UY	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
9A3YPH	Identifiler® Plus, PowerPlex® ESX17						
	3	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
9C6WXP	PowerPlex® 16HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
9CRC7F	Identifiler® Plus						
	3	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15
9FKFVD	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

9G9HZU	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
9K3CXV	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
9K3LGE	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
9LBQ6B	Identifiler® Plus, GlobalFiler	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
9PVLXV	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
9QMPMW	PowerPlex® 16HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
9VHK4B	NGM	3	11,16.3	18,19	10,11	15,16		
			10,12	14,14	18,19		13,13	16,16
			13,13.2	31,31.2	11,15	X,Y		22,24
						7,7		11,15

TABLE 2

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

Item 3 - STR Results

9ZGLYY	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
A3FMTT	Identifiler® plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
A4B7VU	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
A4C446	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
A7TGGD	Profiler Plus						
	3				15,16	9,11	10,10
		10,12			11,12		16,16
			31,31.2		X,Y		22,24
							11,15
A8C2TB	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
A93DD3	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

AAFWCE	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
AEFYMA	Identifiler® Plus	3	NA	18,19	NA	15,16	9,11	10,10
			10,12	NA	NA	11,12	13,13	[13],16
			13,13.2	31,31.2	NA	X,Y	11,12	22,24
			NA	NA	NA	7,7	9,10,11	11,15
ARK6MZ	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
AU7YFU	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
AU8VN6	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10,10
			10,12	-	-	11,12	13,13	16,16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7,7	9,10,11	11,15
B63CYR	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10,10
			10,12	-	-	11,12	13,13	16,16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7,7	9,10,11	11,15
B6JHBB	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10,10
			10,12	-	-	11,12	13,13	[13],16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

B9G99A	PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
BB876F	Identifiler® Plus, PowerPlex® ESX 17	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
BDHVJQ	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
BLRKWP	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
BP6EMU	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
BRA346	Identifiler®	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
BT8DXM	PowerPlex® 16HS	3				15,16	9,11	10
			10,12			11,12	13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

BWTUGT	Identifiler® plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
C2WABA	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
C4J3BH	PowerPlex® 16						
	3				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
C6DTGX	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
C9BBC4	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
C9DYZA	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
C9HFX9	Identifiler® Plus						
	3	NT	18,19	NT	15,16	9,11	10,10
		10,12	NT	NT	11,12	13,13	[13],16
		13,13.2	31,31.2	NT	X,Y	11,12	22,24
		NT	NT	NT	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

C9XN9W	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	[inc],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
CDAKPR	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
CH6EMT	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
CMJ3BV	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
CT7Q72	PowerPlex® 21	3	11,16.3	18,19		15,16	9,11	10,10
			10,12		18,19	11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
CVRJYV	Identifiler®	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
CWKDUE	Identifiler® Plus, PowerPlex® ESX17	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

CXD9GM	Identifiler® PLUS	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
CXVEHY	Identifiler®	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
DCVD4A	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
DJCWLN	PowerPlex® 16HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
DLVXFA	Identifiler®	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
DQC9LR	PowerPlex® 16	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
DQUD26	PowerPlex® 21	3	11,16.3	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			9,12	13,14	N/A	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

DR2UZA	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DT48X6	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DUUFW8	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DYLP87	Identifiler® , Minifiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
DZ3WE9	Identifiler® Plus, MiniFiler						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
DZHFY7	Identifiler® Plus, Minifiler						
	3	not typed	18,19	not typed	15,16	9,11	10,10
		10,12	not typed	not typed	11,12	13,13	13,16
		13,13.2	31,31.2	not typed	X,Y	11,12	22,24
		not typed	not typed	not typed	7,7	9,10,11	11,15
E3ZU37	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

E4UPG3	PowerPlex® 16	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
EBDQ6R	Identifiler® Plus	3		18,19	15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
EF9GRQ	Globalfiler	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
EFQR2J	PowerPlex® 16HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
EX8MU7	PowerPlex® Fusion, GlobalFiler	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14	16,18	7	9,10,11	11,15
EZFTBZ	Identifiler® Plus	3		18,19	15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
F7JZMM	Identifiler® Plus	3		18,19	15,16	9,11	10	
			10,12		11,12	13	[13],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

FH8BLD

3	11,16.3	18,19	10,11	15,16	9,11	10
	10,12	14	18,19	11,12	13	13,16
	13,13.2	31,31.2	11,15	X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15

FHUMLL

PowerPlex® 16HS

3				15,16	9,11	10
	10,12			11,12	13	13,16
		31,31.2		X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15

FJ9YDP

Identifiler® Plus, MiniFiler

3		18,19		15,16	9,11	10
	10,12			11,12	13	13,16
	13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15

FKYA3X

PowerPlex® 16

3				15,16	9,11	10
	10,12			11,12	13	13,16
		31,31.2		X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15

FM4Z3K

PowerPlex® 16 HS

3				15,16	9,11	10
	10,12			11,12	13	13,16
		31,31.2		X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15

FNJDEVN

Identifiler® Plus

3		18,19		15,16	9,11	10
	10,12			11,12	13	16
	13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15

FYG3Q4

Identifiler® Plus

3		18,19		15,16	9,11	10,10
	10,12			11,12	13,13	16,16
	13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

G2HUUU	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
G3QPP2	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
G93N8L	Identifiler® plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
G9ECK7	Profiler Plus						
	3				15,16	9,11	10,10
		10,12			11,12		16,16
			31,31.2		X,Y		22,24
							11,15
G9X7AM	PowerPlex® 16HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
GAA77H	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
GCN6RR	Identifiler® , Minifiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

GJZKQ	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
GLPTG4	Identifiler® PLUS	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	[13],16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
GQKME6	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	[13],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
GTP4XU	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
GTR6DZ	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	[13],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
GWL4MP	Identifiler® plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
GXNKBN	PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

GYWUZZ	PowerPlex® 21						
	3	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
HANRFJ	PowerPlex® 16 HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
HD9JQL	Identifiler® plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
HD9TA7	Identifiler®						
	3	-	18,19	-	15,16	9,11	10
		10,12	-	-	11,12	13	16
		13,13.2	31,31.2	-	X,Y	11,12	22,24
		-	-	-	7	9,10,11	11,15
HDEQXN	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
HDUAHL	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
HEGZG6	Identifiler® PLUS, PowerPlex® HS						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

HENR3V	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	[INC],16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
HHM6NZ	PowerPlex® 21	3	11,16.3	18,19	15,16	9,11	10,10	
			10,12		18,19	11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
HNWLXN	GlobalFiler	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
HVRDHB	Identifiler®	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
J2DPUH	PowerPlex® 16HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
J4JBLP	Identifiler® , Minifiler	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
J6RM27	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

JE3LVG	ESI 16 Promega Fast						
	3	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
					7,7		11,15
JFA4UC	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
JJ7XJ2	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
JKTYW6	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
JMAGUF	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
JMQPU4	Identifiler® Plus, PowerPlex® Fusion, Minifiler						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
JMWUF8	Identifiler® Plus, PowerPlex® ESX17						
	3	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

JNRDH9	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
JP6XEP	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
JUUMN2	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
K4CMHG	PowerPlex® 16 HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
K687JH	PowerPlex® 16HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
KAXPCZ	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
KCTYX3	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

KF9H3Q	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
KKM4Q4	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
KLR2U	Identifiler® Plus	3	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
KLX4MX	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	[13],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
KMRKAT	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	[INC],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
KV2BC7	PowerPlex® ESI17	3	11,16.3	18,19	10,11	15,16		
			10,12	14,14	18,19		13,13	13,16
			13,13.2	31,31.2	11,15	X,Y		22,24
					16,18	7,7		11,15
KZCCLG	PowerPlex® 16 HS	3				15,16	9,11	10
			10,12			11,12	13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

L4UTG7	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11		11,15
LAGJ42	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11		11,15
LBBEHX	ESI17-FAST	3	11,16.3	18,19	10,11	15,16		
			10,12	14,14	18,19		13,13	13,16
			13,13.2	31,31.2	11,15	X,Y		22,24
					16,18	7,7		11,15
LCNYB8	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11		11,15
LF6FF6	Identifiler®	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
LLAEQV	PowerPlex® ESI 16	3	11,16.3	18,19	10,11	15,16		
			10,12	14	18,19		13	13,16
			13,13.2	31,31.2	11,15	X,Y		22,24
						7		11,15
LMNPUU	PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

LUZW64	Identifiler® Plus, MiniFiler						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
LVF87G	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
LXZ9Z4	Identifiler® Plus, MiniFiler						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
LZF8TT	Identifiler® Plus (i.e. ID Plus), MiniFiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16/13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
M8BQBE	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
M9FECX	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
MDR9JF	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

ME4V8W	Identifiler® 1510189						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
MEQ83N	Identifiler® PLUS						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
MFMQ6Q	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	[INC],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
MQKQGU	PowerPlex® 21						
	3	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
MQNB8H	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
N79EVX	GlobalFiler						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
N7F6GN	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

N7VRQP	PowerPlex® 21						
	3	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
NCK4RD	PowerPlex® 16HS						
	3				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
NDQRUW	PowerPlex® Fusion						
	3	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
NELCWN	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	[INC],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NGQM6K	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NL4RCE	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
NP9BMT	PowerPlex® 21						
	3	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

NRT6FM	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
NXVEMF	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
NYQWNG	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
NZPV8P	PowerPlex® 21						
	3	11,16.3	18,19		15,16	9,11	10,10
		10,12		18,19	11,12	13,13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
P3QHYP	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
P73FGF	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
P7QGL7	PowerPlex® 16						
	3				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

P8LYN8	Identifiler® plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
P9BQDJ	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
PDKQNN	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
PDRVAT	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	[13],16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
PGRUVJ	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
PKMVKE	PowerPlex® HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
PMYLXP	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

PN8MVG	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
PQCKXW	PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
PQD8L3	Identifiler® Plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
PQHFBZ	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
PV6E4B	PowerPlex® 16HS	3			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
PWJ2FX	Identifiler® plus	3	18,19		15,16	9,11	10,10	
			10,12		11,12	13,13	16,16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15	
PWKP6P	PP21	3	11,16.3	18,19		15,16	9,11	10,10
			10,12		18,19	11,12	13,13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

PWZVG9	PowerPlex® 16	3			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15
QBG9CE	Globalfiler	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
QBRCJB	PowerPlex® 16HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QD4RDC	PowerPlex® HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QFNT8Y	Identifiler® , PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QGHLTA	PowerPlex® 16 HS	3			15,16	9,11	10	
			10,12		11,12	13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
QK64DF	PowerPlex® 16	3			15,16	9,11	10,10	
			10,12		11,12	13,13	13,16	
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

QPTZMY	Identifiler®	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
QRYHLU	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
QUCWQG	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
QZAK8V	Identifiler® PLUS	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
R7J3GA	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
R8RCVY	Identifiler®	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
RAXLDW	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

RBUC8H	Identifiler® Plus	3	18,19		15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
RDF7YC	Identifiler® Plus	3	18,19		15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
RGEGVC	PowerPlex® 16	3			15,16	9,11	10
			10,12		11,12	13	13,16
				31,31.2	X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15
RGXGLV	Profiler Plus 10	3			15,16	9,11	10,10
			10,12		11,12		16,16
				31,31.2	X,Y		22,24
							11,15
RJ4Q3R	Identifiler® Plus	3	18,19		15,16	9,11	10,10
			10,12		11,12	13,13	[13],16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
RN28FL	Identifiler® Plus	3	18,19		15,16	9,11	10,10
			10,12		11,12	13,13	16,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
RN2A8C	Identifiler® Plus	3	18,19		15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

RQJLTU	Identifiler® Plus, PowerPlex® HS						
3			18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
RRXYLX	Identifiler® Plus, PowerPlex® ESX17						
3		11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
RTRQBP	PowerPlex® 16						
3					15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
RU4EWA	Identifiler®						
3			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
RWYVGK	Globalfiler						
3		11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7	9,10,11	11,15
RZAVQ6	Identifiler® Plus						
3			18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
T6FX2Y	Identifiler®						
3		n/a	18,19	n/a	15,16	9,11	10,10
		10,12	n/a	n/a	11,12	13,13	16,16
		13,13.2	31,31.2	n/a	X,Y	11,12	22,24
		n/a	n/a	n/a	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

TEQ6UL	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
TKFPX2	Globalfiler						
	3	11,16.3	18,19	10,11	15,16	9,11	10,10
		10,12	14,14	18,19	11,12	13,13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
				16,18	7,7	9,10,11	11,15
TNUM33	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
TQX6DR	Identifiler® Plus Kit, PowerPlex® 21 System						
	3	11,16.3	18,19		15,16	9,11	10
		10,12		18,19	11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
TRDEE7	PowerPlex® 16HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
TUXF9R	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
TVTYBT	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

TVYCV9	Identifiler® plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
TXZGAP	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
U378CV	Identifiler® Plus, PowerPlex® Fusion	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
U9FCEF	Identifiler® Plus	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
UBYT7Z	Globalfiler	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
UDPRLJ	Identifiler®	3	18,19		15,16	9,11	10	
			10,12		11,12	13	16	
			13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15	
UFHN9R	Identifiler® Plus, MiniFiler	3	NT	18,19	NT	15,16	9,11	10,10
			10,12	NT	NT	11,12	13,13	13,16
			13,13.2	31,31.2	NT	X,Y	11,12	22,24
			NT	NT	NT	7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

UHKLJK	Identifiler® Plus	3	N/A	18,19	N/A	15,16	9,11	10,10
			10,12	N/A	N/A	11,12	13,13	16,16
			13,13.2	31,31.2	N/A	X,Y	11,12	22,24
			N/A	N/A	N/A	7,7	9,10,11	11,15
UMHXPB	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	[INC],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
UQZ62Y	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
URUV8D	Identifiler® Plus	3		18,19		15,16	9,11	10,10
			10,12			11,12	13,13	16,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7,7	9,10,11	11,15
UW9JVG	GlobalFiler	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7	9,10,11	11,15
V2FCFE	Identifiler®	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
V3TYE	Identifiler® PLUS	3		18,19		15,16	9,11	10
			10,12			11,12	13	[INC],16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

V8GZLK	Identifiler®						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
V8JHTV	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VB2TU7	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
VEY42Z	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
VG8C7D	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
VHYGER	Identifiler® Plus, PowerPlex® Fusion, Minifiler						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
VLHCGJ	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

VM9PN9	PowerPlex® HS	3			15,16	9,11	10
			10,12		11,12	13	13,16
				31,31.2	X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15
VMFNA7	Identifiler® Plus	3		18,19	15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15
VNRCLQ	Identifiler® Plus	3		18,19	15,16	9,11	10,10
			10,12		11,12	13,13	[13],16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
VW4Q78	Identifiler®	3		18,19	15,16	9,11	10,10
			10,12		11,12	13,13	16,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
VW223A	PowerPlex® 16	3			15,16	9,11	10
			10,12		11,12	13	13,16
				31,31.2	X,Y	11,12	22,24
			9,12	13,14	7	9,10,11	11,15
VXUUV9	Identifiler® Plus	3		18,19	15,16	9,11	10,10
			10,12		11,12	13,13	16,16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7,7	9,10,11	11,15
W2RLRC	Identifiler® Plus	3		18,19	15,16	9,11	10
			10,12		11,12	13	16
			13,13.2	31,31.2	X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

W3M4TD	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
W4QXCQ	PowerPlex® HS						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
W69XL8	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
W8Q98P	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WA2YLZ	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WBFLY9	PowerPlex® 16						
	3				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
WCA3JH	Identifiler® Plus, MiniFiler (MF)						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

WEWCC	Identifiler® , Minifiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WEZDBB	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WLCGBH	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WNRM4E	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
WQA4Y6	PowerPlex® HS						
	3				15,16	9,11	10,10
		10,12			11,12	13,13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7,7	9,10,11	11,15
WY393E	PowerPlex® Fusion						
	3	11,16.3	18,19	10,11	15,16	9,11	10
		10,12	14	18,19	11,12	13	13,16
		13,13.2	31,31.2	11,15	X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
X32ZQ6	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

X4PK4N	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
XA2CUE	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
XBAMBQ	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	
XFG8EP	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
XJ84BW	Identifiler® plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7,7	9,10,11	11,15	
XRHNC8	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
	9,12	13,14		7	9,10,11	11,15	
XTW6FD	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	INC,16
		13,13.2	31,31.2		X,Y	11,12	22,24
				7	9,10,11	11,15	

TABLE 2

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

Item 3 - STR Results

XVGY98	Globalfiler	3	11,16.3	18,19	10,11	15,16	9,11	10,10
			10,12	14,14	18,19	11,12	13,13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
					16,18	7,7	9,10,11	11,15
XWN99Q	Identifiler®	3	-	18,19	-	15,16	9,11	10
			10,12	-	-	11,12	13	16
			13,13.2	31,31.2	-	X,Y	11,12	22,24
			-	-	-	7	9,10,11	11,15
Y8RKF7	Identifiler® Plus, MiniFiler	3		18,19		15,16	9,11	10
			10,12			11,12	13	13,16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
Y9HU4E	PowerPlex® 16	3				15,16	9,11	10
			10,12			11,12	13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15
YADD7F	PowerPlex® HS, ESX, NGM Select	3	11,16.3	18,19	10,11	15,16	9,11	10
			10,12	14	18,19	11,12	13	13,16
			13,13.2	31,31.2	11,15	X,Y	11,12	22,24
			9,12	13,14	16,18	7	9,10,11	11,15
YDCP4Z	Identifiler® Plus	3		18,19		15,16	9,11	10
			10,12			11,12	13	16
			13,13.2	31,31.2		X,Y	11,12	22,24
						7	9,10,11	11,15
YDVRJN	PowerPlex® 16HS	3				15,16	9,11	10
			10,12			11,12	13	13,16
				31,31.2		X,Y	11,12	22,24
			9,12	13,14		7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

YENQNE	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
YGH6K6	Identifiler® Plus, MiniFiler						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YHDNM7	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YMGT2J	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YPPWZZ	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YQGA46	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
YX2BKH	Identifiler®						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

YXK8X3	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
Z3Q8KT	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
Z4KXQ8	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
Z7A2MK	Identifiler® Plus						
	3	n/t	18,19	n/t	15,16	9,11	10,10
		10,12	n/t	n/t	11,12	13,13	[13],16
		13,13.2	31,31.2	n/t	X,Y	11,12	22,24
		n/t	n/t	n/t	7,7	9,10,11	11,15
Z8HGUQ	Identifiler® Plus						
	3		18,19		15,16	9,11	10,10
		10,12			11,12	13,13	16,16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7,7	9,10,11	11,15
Z9H6L3	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
ZCVYB8	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3 - STR Results

ZQG8DE	PowerPlex® 16						
	3				15,16	9,11	10
		10,12			11,12	13	13,16
			31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
ZR9FCH	Promega ESI-17						
	3	11,16.3	18,19	10,11	15,16		
		10,12	14,14	18,19		13,13	13,16
		13,13.2	31,31.2	11,15	X,Y		22,24
				16,18	7,7		11,15
ZTHNXN	Identifiler® Plus, PowerPlex® 16HS						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	13,16
		13,13.2	31,31.2		X,Y	11,12	22,24
		9,12	13,14		7	9,10,11	11,15
ZX2L27	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15
ZYW448	Identifiler® Plus						
	3		18,19		15,16	9,11	10
		10,12			11,12	13	16
		13,13.2	31,31.2		X,Y	11,12	22,24
					7	9,10,11	11,15

TABLE 2

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

Item 3e - STR Results

7QKV38	PowerPlex® 16HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	
ERKY82	PowerPlex® 16 HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	
HKUMMV	PowerPlex® 16 HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	
J7TBQW	PowerPlex® 16 HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	
N2KE9Q	PowerPlex® 16HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	
TC79CM	PowerPlex® 16 HS						
	3e			15,16	9,11	10,10	
		10,12		11,12	13,13	13,16	
			31,31.2	X,Y	11,12	22,24	
		9,12	13,14	7,7	9,10,11	11,15	

TABLE 2

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

Item 3sp - STR Results

7QKV38	PowerPlex® 16HS						
	3sp				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

ERKY82	PowerPlex® 16 HS						
	3sp						

HKUMMV	PowerPlex® 16 HS						
	3sp						

J7TBQW	PowerPlex® 16 HS						
	3sp						

N2KE9Q	PowerPlex® 16HS						
	3sp						

TC79CM	PowerPlex® 16 HS						
	3sp				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

TABLE 2

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

Item 4 - STR Results

28FT7K	GlobalFiler						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
29BC9M	Identifiler® PLUS, PowerPlex® HS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
29GRDZ	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2BG28P	Identifiler®						
	4	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
2BKPM8	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
2HZ87G	PowerPlex® 16HS, ESX17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13	16,17	7,9	8,11	14,16
2KABR7	Identifiler® Plus						
	4	N/A	22,25	N/A	16,17	12	8,9
		13,15	N/A	N/A	11,12	9	13,17
		13,16	28,31.2	N/A	X,Y	11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

2R3K7G	PowerPlex® ESI-17 FAST						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
			16,17	7,9		14,16	
2X9EZD	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
2XBW8N	Globalfiler						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
			16,17	7,9	8,11	14,16	
2XWDMQ	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
2Y9Z9C	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
2YZAML	Identifiler® Plus, PowerPlex® HS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
32P6KE	GlobalFiler						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
			16,17	7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

3BU4JF	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
3J4EPL	Identifiler® PLUS						
	4	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16
3PF6M2	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
3PVQW4	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
3UQH4Z	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
3YLC22	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
42RUZW	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

43Y8BJ	Identifiler® Plus, Minifiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
44UQCK	Identifiler® PLUS, PowerPlex® HS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
4GKNB3	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
4WVE3A	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
4XPTZZ	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
693N46	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6AYXFU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

6CZ6HJ	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6GGBET	Investigator ESSplex Plus						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16
6J2EQX	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6KWWB8	Globalfiler						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
6LU2R2	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6NUL8K	Identifiler® Plus, PowerPlex® ESX 17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
6PP69L	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

6PUDN2	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
6YC899	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6YGBE7	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
6ZCUG8	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
72X6K7	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
739876	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
78LU3U	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

7CJ9R6	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
7DRNWQ	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
7KQZ6F	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
7KTNKY	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
7QKV38	PowerPlex® 16HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
7VUBCV	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
7Y8722	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

829FLH	Identifiler®						
	4	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
8C979B	ESI17						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16
8FED8V	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
8HZ47E	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
8L2CAN	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
8TGVR3	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
8URYWE	Identifiler® Plus						
	4	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

8UYTAU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
8V79GZ	Identifiler® Plus						
	4		22,25		16,17	9,11	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	22,24
					7,9	8,11	14,16
8ZXQ9W	PowerPlex® HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
9996UY	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9A3YPH	Identifiler® Plus, PowerPlex® ESX17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
9C6WXP	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
9CRC7F	Identifiler® Plus						
	4	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

9KFFVD	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9G9HZU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9K3LGE	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
9LBQ6B	Identifiler® Plus, GlobalFiler						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				6,17	7,9	8,11	14,16
9PVLXV	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
9QMPMW	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
9VHK4B	NGM						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16

TABLE 2

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

Item 4 - STR Results

9ZGLYY	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
A3FMTT	Identifiler® plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
A4B7VU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
A4C446	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
A7TGGD	Profiler Plus						
	4				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
A8C2TB	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
A93DD3	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

AAFWCE	Identifiler® Plus						
4	-	22,25	-	16,17	12	8,9	
	13,15	-	-	11,12	9	13,17	
	13,16	28,31.2	-	X,Y	11	20,21	
	-	-	-	7,9	8,11	14,16	
AEFYMA	Identifiler® Plus						
4	NA	22,25	NA	16,17	12,12	8,9	
	13,15	NA	NA	11,12	9,9	13,17	
	13,16	28,31.2	NA	X,Y	11,11	20,21	
	NA	NA	NA	7,9	8,11	14,16	
ARK6MZ	Identifiler® Plus						
4	-	22,25	-	16,17	12	8,9	
	13,15	-	-	11,12	9	13,17	
	13,16	28,31.2	-	X,Y	11	20,21	
	-	-	-	7,9	8,11	14,16	
AU7YFU	Identifiler® Plus						
4	-	22,25	-	16,17	12	8,9	
	13,15	-	-	11,12	9	13,17	
	13,16	28,31.2	-	X,Y	11	20,21	
	-	-	-	7,9	8,11	14,16	
AU8VN6	Identifiler® Plus						
4	-	22,25	-	16,17	12,12	8,9	
	13,15	-	-	11,12	9,9	13,17	
	13,16	28,31.2	-	X,Y	11,11	20,21	
	-	-	-	7,9	8,11	14,16	
B63CYR	Identifiler® Plus						
4	-	22,25	-	16,17	12,12	8,9	
	13,15	-	-	11,12	9,9	13,17	
	13,16	28,31.2	-	X,Y	11,11	20,21	
	-	-	-	7,9	8,11	14,16	
B6JHBB	Identifiler® Plus						
4	-	22,25	-	16,17	12,12	8,9	
	13,15	-	-	11,12	9,9	13,17	
	13,16	28,31.2	-	X,Y	11,11	20,21	
	-	-	-	7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

B9G99A	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
BB876F	Identifiler® Plus, PowerPlex® ESX 17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
BDHVJQ	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BLRKWP	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BP6EMU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BRA346	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
BT8DXM	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

BWTUGT	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
C2WABA	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
C4J3BH	PowerPlex® 16						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
C6DTGX	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
C9BBC4	PowerPlex® 16						
	4				16,17	12	8,9
		13 [^] ,15 [^]			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13 [^]		7,9	8,11	14,16
C9DYZA	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
C9HFX9	Identifiler® Plus						
	4	NT	22,25	NT	16,17	12,12	8,9
		13,15	NT	NT	11,12	9,9	13,17
		13,16	28,31.2	NT	X,Y	11,11	20,21
		NT	NT	NT	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

C9XN9W	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
CDAKPR	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
CH6EMT	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
CMJ3BV	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
CT7Q72	PowerPlex® 21						
	4	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
CVRJYV	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
CWKDUE	Identifiler® Plus, PowerPlex® ESX17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

CXD9GM	Identifiler® PLUS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
CXVEHY	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DCVD4A	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DJCWLN	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
DLVXFA	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DQC9LR	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
DQUD26	PowerPlex® 21						
	4	14,16	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	19,21	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		12,12	12,13	N/A	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

DR2UZA	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DT48X6	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DUUFW8	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DYLP87	Identifiler® , Minifiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
DZ3WE9	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
DZHFY7	Identifiler® Plus, Minifiler						
	4	not typed	22,25	not typed	16,17	12,12	8,9
		13,15	not typed	not typed	11,12	9,9	13,17
		13,16	28,31.2	not typed	X,Y	11,11	20,21
		not typed	not typed	not typed	7,9	8,11	14,16
E3ZU37	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

E4UPG3	PowerPlex® 16	4			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
EBDQ6R	Identifiler® Plus	4		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16	
EF9GRQ	Globalfiler	4	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16
EFQR2J	PowerPlex® 16HS	4			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
ERKY82	PowerPlex® 16 HS	4			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
EX8MU7	PowerPlex® Fusion, GlobalFiler	4	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13	16,17	7,9	8,11	14,16
EZFTBZ	Identifiler® Plus	4		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

F7JZMM	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
FH8BLD							
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
FHUMLL	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
FJ9YDP	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
FKYA3X	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
FM4Z3K							
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
	12	12,13		7,9	8,11	14,16	
FNJDVN	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

FYG3Q4	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G2HMUU	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G3QPP2	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
G93N8L	Identifiler® plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
G9ECK7	Profiler Plus						
	4				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
G9X7AM	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
GAA77H	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

GCN6RR	Identifiler® , Minifiler						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GJZKQ	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GLPTG4	Identifiler® PLUS						
4		N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
GQKME6	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
GTP4XU	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
GTR6DZ	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
GWL4MP	Identifiler® plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

GXNKBN	PowerPlex® Fusion	4	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
GYWUZZ	PowerPlex® 21	4	14,16	22,25		16,17	12,12	8,9
			13,15		19,21	11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
HANRFJ	PowerPlex® 16 HS	4				16,17	12	8,9
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
HD9JQL	Identifiler® plus	4		22,25		16,17	12,12	8,9
			13,15			11,12	9,9	13,17
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
HD9TA7	Identifiler®	4	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
HDEQXN	PowerPlex® 16	4				16,17	12	8,9
			13,15			11,12	9	13,17
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
HDUAHL	Identifiler® Plus	4		22,25		16,17	12	8,9
			13,15			11,12	9	13,17
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

HEGZG6	Identifiler® , PowerPlex®						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
HENR3V	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
HHM6NZ	PowerPlex® 21						
4		14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
HKUMMV	PowerPlex® 16 HS						
4					16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
HNWLXN	GlobalFiler						
4		14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
HVRDHB	Identifiler®						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
J2DPUH	PowerPlex® 16HS						
4					16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

J4JBLP	Identifiler® , Minifiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
J6RM27	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
J7TBQW	PowerPlex® 16 HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
JE3LVG	ESI 16 Promega Fast						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
					7,9		14,16
JFA4UC	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
JJ7XJ2	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
JKTYW6	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

JMAGUF	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
JMQPU4	Identifiler® Plus, Minifiler						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
JMWUF8	Identifiler® Plus, PowerPlex® ESX17						
4		14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
JNRDH9	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
JP6XEP	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
JUUMN2	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
K4CMHG	PowerPlex® 16 HS						
4					16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

K687JH	PowerPlex® 16HS	4			16,17	12	8,9	
			13,15		11,12	9	13,17	
				28,31.2		X,Y	11	20,21
			12	12,13		7,9	8,11	14,16
KAXPCZ	Identifiler®	4		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
KCTYX3	Identifiler® Plus	4		22,25	16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
KF9H3Q	Identifiler®	4		22,25	16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
						7,9	8,11	14,16
KKM4Q4	Identifiler® Plus	4		22,25	16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16
KLRY2U	Identifiler® Plus	4	-	22,25	-	16,17	12	8,9
			13,15	-	-	11,12	9	13,17
			13,16	28,31.2	-	X,Y	11	20,21
			-	-	-	7,9	8,11	14,16
KLX4MX	Identifiler® Plus	4		22,25	16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
						7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

KMRKAT	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
KV2BC7	PowerPlex® ESI17						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16
KZCCLG	PowerPlex® 16 HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
L4UTG7	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
LAGJ42	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
LBBEHX	ESI17-FAST						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16
LCNYB8	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

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LF6FF6	Identifiler®						
	4	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
LLAEQV	PowerPlex® ESI 16						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9	13,17
		13,16	28,31.2	16	X,Y		20,21
					7,9		14,16
LMNPUU	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
LUZW64	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
LVF87G	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
LXZ9Z4	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
LZF8TT	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

M8BQBE	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
M9FECX	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
MDR9JF	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ME4V8W	Identifiler® 1510189						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
MEQ83N	Identifiler® PLUS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
MFMQ6Q	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
MQKQGU	PowerPlex® 21						
	4	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

MQNB8H	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
N2KE9Q	PowerPlex® 16HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
N79EVX	GlobalFiler						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
N7F6GN	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
N7VRQP	PowerPlex® 21						
	4	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
NCK4RD	PowerPlex® 16HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
NDQRUW	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

NELCWN	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NGQM6K	Identifiler®						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NL4RCE	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
NP9BMT	PowerPlex® 21						
4		14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
NRT6FM	Identifiler®						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
NXVEMF	PowerPlex® 16						
4					16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
NYQWNG	PowerPlex® 16						
4					16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

NZPV8P	PowerPlex® 21						
	4	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
P3QHYK	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
P73FGF	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
				7,9	8,11	14,16	
P7QGL7	PowerPlex® 16						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
P8LYN8	Identifiler® plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
				7,9	8,11	14,16	
P9BQDJ	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
PDKQNN	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
				7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

PDRVAT	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
PGRUVJ	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
PKMVKE	PowerPlex® HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
PMYLXP	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
PN8MVG	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
PQCKXW	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
PQD8L3	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

PQHFZH	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
PV6E4B	PowerPlex® 16HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
PWJ2FX	Identifiler® plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
PWK6P	PP21						
	4	14,16	22,25		16,17	12,12	8,9
		13,15		19,21	11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
PWZVG9	PowerPlex® 16						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
QBG9CE	Globalfiler						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
QBRCJB	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

QD4RDC	PowerPlex® HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
QFNT8Y	Identifiler® , PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
QGHHTA	PowerPlex® 16 HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
QK64DF	PowerPlex® 16						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
QPTZMY	Identifiler®						
	4	N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
QRYHLU	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
QUCWQG	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

QZAK8V	Identifiler® PLUS						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
R7J3GA	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
R8RCVY	Identifiler®						
4		N/A	22,25	N/A	16,17	12,12	8,9
		13,15	N/A	N/A	11,12	9,9	13,17
		13,16	28,31.2	N/A	X,Y	11,11	20,21
		N/A	N/A	N/A	7,9	8,11	14,16
RAXLDW	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
RBUC8H	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RDF7YC	Identifiler® Plus						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RGEGVC	PowerPlex® 16						
4					16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

RGXGLV	Profiler Plus 10						
	4				16,17	12,12	8,9
		13,15			11,12		13,17
			28,31.2		X,Y		20,21
							14,16
RJ4Q3R	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
RN28FL	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
RN2A8C	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
RQJLTU	Identifiler® Plus, PowerPlex® HS						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,11
		12	12,13		7,9	8,11	14,16
RRXYLX	Identifiler® Plus, PowerPlex® ESX17						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
RTRQBP	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

RU4EWA	Identifiler®	4	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16	
RWYVGK	Globalfiler	4	14,16	22,25	10,14	16,17	12	8,9
			13,15	12,14	19,21	11,12	9	13,17
			13,16	28,31.2	16	X,Y	11	20,21
					16,17	7,9	8,11	14,16
RZAVQ6	Identifiler® Plus	4	22,25		16,17	12	8,9	
			13,15		11,12	9	13,17	
			13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16	
T6FX2Y	Identifiler®	4	n/a	22,25	n/a	16,17	12,12	8,9
			13,15	n/a	n/a	11,12	9,9	13,17
			13,16	28,31.2	n/a	X,Y	11,11	20,21
			n/a	n/a	n/a	7,9	8,11	14,16
TC79CM	PowerPlex® 16 HS	4			16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
				28,31.2		X,Y	11,11	20,21
			12,12	12,13		7,9	8,11	14,16
TEQ6UL	Identifiler® Plus	4	22,25		16,17	12,12	8,9	
			13,15		11,12	9,9	13,17	
			13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16	
TKFPX2	Globalfiler	4	14,16	22,25	10,14	16,17	12,12	8,9
			13,15	12,14	19,21	11,12	9,9	13,17
			13,16	28,31.2	16,16	X,Y	11,11	20,21
					16,17	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

TNUM33	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TQX6DR	Identifiler® Plus Kit, PowerPlex® 21 System						
	4	14,16	22,25		16,17	12	8,9
		13,15		19,21	11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
TRDEE7	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
TUXF9R	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TVTYBT	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TVYCV9	Identifiler® plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
TXZGAP	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

U378CV	Identifiler® Plus, PowerPlex® Fusion						
4	14,16	22,25	10,14	16,17	12	8,9	
	13,15	12,14	19,21	11,12	9	13,17	
	13,16	28,31.2	16	X,Y	11	20,21	
	12	12,13		7,9	8,11	14,16	
U9FCEF	Identifiler® Plus						
4		22,25		16,17	12	8,9	
	13,15			11,12	9	13,17	
	13,16	28,31.2		X,Y	11	20,21	
				7,9	8,11	14,16	
UBYT7Z	Globalfiler						
4	14,16	22,25	10,14	16,17	12,12	8,9	
	13,15	12,14	19,21	11,12	9,9	13,17	
	13,16	28,31.2	16,16	X,Y	11,11	20,21	
			16,17	7,9	8,11	14,16	
UDPRLJ	Identifiler®						
4		22,25		16,17	12	8,9	
	13,15			11,12	9	13,17	
	13,16	28,31.2		X,Y	11	20,21	
				7,9	8,11	14,16	
UFHN9R	Identifiler® Plus, MiniFiler						
4	NT	22,25	NT	16,17	12,12	8,9	
	13,15	NT	NT	11,12	9,9	13,17	
	13,16	28,31.2	NT	X,Y	11,11	20,21	
	NT	NT	NT	7,9	8,11	14,16	
UHKLJK	Identifiler® Plus						
4	N/A	22,25	N/A	16,17	12,12	8,9	
	13,15	N/A	N/A	11,12	9,9	13,17	
	13,16	28,31.2	N/A	X,Y	11,11	20,21	
	N/A	N/A	N/A	7,9	8,11	14,16	
UMHXPB	Identifiler® Plus						
4		22,25		16,17	12	8,9	
	13,15			11,12	9	13,17	
	13,16	28,31.2		X,Y	11	20,21	
				7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

UQZ62Y	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
URUV8D	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
UW9JVG	GlobalFiler						
4		14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
				16,17	7,9	8,11	14,16
V2FCFE	Identifiler®						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
V3TYYE	Identifiler® PLUS						
4			22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
V8GZLK	Identifiler®						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
V8JHTV	Identifiler® Plus						
4			22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

VB2TU7	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VEY42Z	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VG8C7D	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VHYGER	Identifiler® Plus, Minifiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
VLHCGJ	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VM9PN9	PowerPlex® HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
VMFNA7	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

VNRCLQ	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
V4Q78	Identifiler®						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
VW223A	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
VXUUV9	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
W2RLRC	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
W3M4TD	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
W4QXCQ	PowerPlex® HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

W69XL8	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
W8Q98P	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
WA2YLZ	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
WBFLY9	PowerPlex® 16						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
WCA3JH	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
WEWCC	Identifiler® , Minifiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	
WEZDBB	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
				7,9	8,11	14,16	

TABLE 2

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

Item 4 - STR Results

WLCGBH	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WNRM4E	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
WQA4Y6	PowerPlex® HS						
	4				16,17	12,12	8,9
		13,15			11,12	9,9	13,17
			28,31.2		X,Y	11,11	20,21
		12,12	12,13		7,9	8,11	14,16
WY393E	PowerPlex® Fusion						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
X32ZQ6	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
X4PK4N	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XA2CUE	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

XBAMBQ	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XFG8EP	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
XJ84BW	Identifiler® plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
XRHNC8	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
XTW6FD	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
XVG98	Globalfiler						
	4	14,16	22,25	10,14	16,17	12,12	8,9
		13,15	12,14	19,21	11,12	9,9	13,17
		13,16	28,31.2	16,16	X,Y	11,11	20,21
				16,17	7,9	8,11	14,16
XWN99Q	Identifiler®						
	4	-	22,25	-	16,17	12	8,9
		13,15	-	-	11,12	9	13,17
		13,16	28,31.2	-	X,Y	11	20,21
		-	-	-	7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

Y8RKF7	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
Y9HU4E	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YADD7F	PowerPlex® HS, ESX, NGM Select						
	4	14,16	22,25	10,14	16,17	12	8,9
		13,15	12,14	19,21	11,12	9	13,17
		13,16	28,31.2	16	X,Y	11	20,21
		12	12,13	16,17	7,9	8,11	14,16
YDCP4Z	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YDVRJN	PowerPlex® 16HS						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YENQNE	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
YGH6K6	Identifiler® Plus, MiniFiler						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

YHDNM7	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YMG2J	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YPPWZZ	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YQGA46	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YX2BKH	Identifiler®						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
YXK8X3	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
Z3Q8KT	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4 - STR Results

Z4KXQ8	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
Z7A2MK	Identifiler® Plus						
	4	n/t	22,25	n/t	16,17	12,12	8,9
		13,15	n/t	n/t	11,12	9,9	13,17
		13,16	28,31.2	n/t	X,Y	11,11	20,21
		n/t	n/t	n/t	7,9	8,11	14,16
Z8HGUQ	Identifiler® Plus						
	4		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16
Z9H6L3	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ZCVYB8	Identifiler® Plus						
	4		22,25		16,17	12	8,9
		13,15			11,12	9	13,17
		13,16	28,31.2		X,Y	11	20,21
					7,9	8,11	14,16
ZQG8DE	PowerPlex® 16						
	4				16,17	12	8,9
		13,15			11,12	9	13,17
			28,31.2		X,Y	11	20,21
		12	12,13		7,9	8,11	14,16
ZR9FCH	Promega ESI-17						
	4	14,16	22,25	10,14	16,17		
		13,15	12,14	19,21		9,9	13,17
		13,16	28,31.2	16,16	X,Y		20,21
				16,17	7,9		14,16

TABLE 2

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

Item 4 - STR Results

ZTHNXN	Identifiler® Plus, PowerPlex® 16HS						
4		22,25		16,17	12	8,9	
		13,15		11,12	9	13,17	
		13,16	28,31.2	X,Y	11	20,21	
		12	12,13	7,9	8,11	14,16	
ZX2L27	Identifiler® Plus						
4		22,25		16,17	12	8,9	
		13,15		11,12	9	13,17	
		13,16	28,31.2	X,Y	11	20,21	
				7,9	8,11	14,16	
ZYW448	Identifiler® Plus						
4		22,25		16,17	12	8,9	
		13,15		11,12	9	13,17	
		13,16	28,31.2	X,Y	11	20,21	
				7,9	8,11	14,16	

TABLE 2

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

Item 4e - STR Results

9K3CXV	Identifiler® Plus						
	4e		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

TABLE 2

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

Item 4sp - STR Results

9K3CXV	Identifiler® Plus						
	4sp		22,25		16,17	12,12	8,9
		13,15			11,12	9,9	13,17
		13,16	28,31.2		X,Y	11,11	20,21
					7,9	8,11	14,16

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

28FT7K	GlobalFiler								
	1						10		
2									
2BG28P	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	N/A	N/A
N/A									
2HZ87G	PowerPlex® Y 23								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
9									
18									
2TEFRA	Yfiler®								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
21									
12									
2X9EZD	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
21									
12									
2XBW8N	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
21									
12									
2									
2XWDMQ	PowerPlex® Y 23								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
9									
18									
32P6KE									
	1						10		
2									
3BDR2B	Yfiler®								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
21									
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 1 - YSTR Results

3J4EPL	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
3PVQW4	Globalfiler Express	1						10		
									2	
3UQH4Z	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
3YLC22	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
42RUZW	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
43Y8BJ	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
4ERMG8	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
4GKNB3	Globalfiler Express	1						10		
									2	
4XPTZZ	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
693N46	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

6AYXFU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
6GGBET	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
6J2EQX		1						10		
										2
739876	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
78LU3U	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7DRNWQ	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7KQZ6F		1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
7KTNKY	PowerPlex® Y 23, Fusion - DYS391 only	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7QKV38	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7Y8722	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

829FLH	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
8L2CAN	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8TGVR3	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8URYWE	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
8UYTAU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8ZXQ9W	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
9996UY	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
9C6WXP	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
9CRC7F	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
9FKFVD	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

9K3LGE	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
9QMPPW	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
A4C446	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
A64432	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
A93DD3	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
AAFWCE	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
ARK6MZ	Globalfiler Express	1						10		
									2	
AU7YFU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
B63CYR	Yfiler® Plus	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
B6JHBB	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

B9G99A	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
BDHVJQ	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BLRKWP	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BP6EMU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BRA346	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BT8DXM	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
C2WABA	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
C6DTGX	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
CMJ3BV	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
CVRJYV	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results

CXD9GM	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
CXVEHY	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DJCWLN	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DR2UZA	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DT48X6	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DUUFW8	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DYLP87	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DZHFY7	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	not typed	not typed
			not typed	not typed	not typed	21	not typed	12	not typed	
EBDQ6R	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
EFQR2J	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results

ERKY82	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
EZFTBZ	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
FH8BLD		1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FHUMLL	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FJ9YDP	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
FKYA3X	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FM4Z3K	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FNJDVN	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
G3QPP2	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
G9X7AM	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results

GAA77H	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GCN6RR	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GJZNKQ	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GLPTG4	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
GQKME6	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GXNKBN	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
GYWUZZ	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
HANRFJ	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
HD9TA7	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
HKUMMV	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results

HNWLXN	GlobalFiler								
	1						10		
								2	
J2DPUH	PowerPlex® Y 23								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
		9	18	16	21	11	12		
J4JBLP	Yfiler®								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		12			
J7TBQW	PowerPlex® Y 23								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
		9	18	16	21	11	12		
JFA4UC	Yfiler®								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		12			
JJ7XJ2	PowerPlex® Y 23								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
		9	18	16	21	11	12		
JKTYW6	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		12			
JMAGUF	Yfiler®								
	1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		12			
JMQPU4	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		12			
JNRDH9	Yfiler®								
	1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
				21		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 1 - YSTR Results

K4CMHG	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
K687JH	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
KF9H3Q	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
KLRY2U	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
KZCCLG	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
LF6FF6	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
LMNPUU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
LUZW64	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
LXZ9Z4	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
LZF8TT	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

M9FECX	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
ME4V8W	Yfiler® 1509102	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
MEQ83N	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
MQKQGU	Yfiler® Plus	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
N2KE9Q	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
N79EVX	GlobalFiler	1						10		
									2	
N7F6GN	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
NDWQHE		1						10		
									2	
NGQM6K	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
NP9BMT	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

P73FGF	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
P7QGL7	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PGRUVJ	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PKMVKE	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
PN8MVG	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PQCKXW	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PQHFZH	Yfiler® Plus	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12	2	
PV6E4B	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
PWKP6P	Yfiler® Plus	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
PWZVG9	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

QBRCJB	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QD4RDC	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QFNT8Y	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QGHLTA	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QPTZMY	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
QRYHLU	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
QZAK8V	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
R7J3GA	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
R8RCVY	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
RAXLDW	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

RN2A8C	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
RQJLTU	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
RU4EWA	GlobalFiler Express	1						10		
									2	
RZAVQ6	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
T6FX2Y	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	n/a	n/a
			n/a	n/a	n/a	21	n/a	12	n/a	
TC79CM	PowerPlex® Y 23	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
TKFPX2	Globalfiler	1						10		
									2	
TNUM33	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
TQX6DR	Yfiler® Plus Kit	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
TRDEE7	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results

TVTYBT	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
TVYCV9	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
TXZGAP	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
U9FCEF	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
UBYT7Z	1						10		
								2	
UFHN9R	Yfiler® 1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	NT	NT
		NT	NT	NT	21	NT	12	NT	
URUV8D	Yfiler® 1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
V2FCFE	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
V8GZLK	Yfiler® 1	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
VB2TU7	Yfiler® 1	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		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 1 - YSTR Results

VHYGER	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
VM9PN9	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
VMFNA7	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
W4QXCQ	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
W69XL8	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
W8Q98P	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
WA2YLZ	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
WCA3JH	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WEVWCC	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WLCGBH	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 1 - YSTR Results

WNRM4E	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WY393E	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
X4PK4N	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
XFG8EP	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
XWN99Q	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
Y8RKF7	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Y9HU4E	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
YADD7F	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
YDCP4Z	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YENQNE	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 1 - YSTR Results										
YGH6K6	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YHDNM7	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YQGA46	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YX2BKH	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YXK8X3	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Z4KXQ8	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Z7A2MK	Yfiler®	1	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	n/t	n/t
			n/t	n/t	n/t	21	n/t	12	n/t	
ZCVYB8	Yfiler®	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
ZQG8DE	PowerPlex® Y 23	1	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 2 - YSTR Results

28FT7K	GlobalFiler								
	2						11		
								2	
2BG28P	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
2HZ87G	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
2TEFRA	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
2X9EZD	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
2XBW8N	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12	2		
2XWDMQ	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
32P6KE									
	2						11		
								2	
3BDR2B	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
3J4EPL	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	-	-
		-	-	-	23	-	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 2 - YSTR Results

3PVQW4	Globalfiler Express								
	2						11		
2									
3UQH4Z	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
3YLC22	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
42RUZW	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
43Y8BJ	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
4ERMG8	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
4GKNB3	Globalfiler Express								
	2						11		
2									
4XPTZZ	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
693N46	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
6AYXFU	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		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 2 - YSTR Results									
6GGBET	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
6J2EQX									
	2						11		
								2	
739876	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
78LU3U	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7DRNWQ	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7KQZ6F	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23			12		
7KTNKY	PowerPlex® Y 23, Fusion - DYS391 only								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7QKV38	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7Y8722	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23			12		
829FLH	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	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

8L2CAN	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8TGVR3	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8URYWE	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
8UYTAU	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8ZXQ9W	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
9996UY	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
9C6WXP	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
9CRC7F	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
9FKFVD	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
9K3LGE	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

9QMPMW	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
A4C446	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
A64432	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
A93DD3	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
AAFWCE	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
ARK6MZ	Globalfiler Express	2						11		
									2	
AU7YFU	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
B63CYR	Yfiler® Plus	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
B6JHBB	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
B9G99A	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 2 - YSTR Results

BDHVJQ	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BLRKWP	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BP6EMU	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BRA346	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BT8DXM	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
C2WABA	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
C6DTGX	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
CMJ3BV	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
CVRJYV	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
CXD9GM	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

CXVEHY	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DJCWLN	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DR2UZA	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DT48X6	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DUUFW8	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DYLP87	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DZHFY7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	not typed	not typed
			not typed	not typed	not typed	23	not typed	12	not typed	
EBDQ6R	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
EFQR2J	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
ERKY82	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 2 - YSTR Results

EX8MU7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
EZFTBZ	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
FH8BLD		2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FHUMLL	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FJ9YDP	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
FKYA3X	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FM4Z3K	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FNJDVN	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
G3QPP2	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
G9X7AM	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 2 - YSTR Results

GAA77H	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GCN6RR	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GJZNKQ	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GLPTG4	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
GQKME6	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GXNKBN	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
GYWUZZ	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
HANRFJ	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
HD9TA7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
HKUMMV	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 2 - YSTR Results

HNWLXN	GlobalFiler								
	2						11		
								2	
J2DPUH	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
J4JBLP	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
J7TBQW	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
JFA4UC	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
JJ7XJ2	PowerPlex® Y 23								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
JKTYW6	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
JMAGUF	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
JMQPU4	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		12			
JNRDH9	Yfiler®								
	2	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
				23		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 2 - YSTR Results

K4CMHG	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
K687JH	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
KF9H3Q	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
KLRY2U	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
KZCCLG	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
LF6FF6	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
LMNPUU	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
LUZW64	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
LXZ9Z4	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
LZF8TT	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

M9FECX	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
ME4V8W	Yfiler® 1509102	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
MEQ83N	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
MQKQGU	Yfiler® Plus	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
N2KE9Q	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
N79EVX	GlobalFiler	2						11		
									2	
N7F6GN	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
NDQRUW	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
NDWQHE	Yfiler®	2						11		
									2	
NGQM6K	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

NP9BMT	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
P73FGF	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
P7QGL7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PGRUVJ	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PKMVKE	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
PN8MVG	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PQCKXW	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PQHYZH	Yfiler® Plus	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12	2	
PV6E4B	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
PWKP6P	Yfiler® Plus	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		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 2 - YSTR Results

PWZVG9	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
QBRCJB	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QD4RDC	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QFNT8Y	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QGHLTA	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QPTZMY	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
QRYHLU	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
QZAK8V	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
R7J3GA	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
R8RCVY	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	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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RAXLDW	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
RN2A8C	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
RQJLTU	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
RU4EWA	GlobalFiler Express	2						11		
									2	
RZAVQ6	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
T6FX2Y	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	n/a	n/a
			n/a	n/a	n/a	23	n/a	12	n/a	
TC79CM	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
TKFPX2	Globalfiler	2						11		
									2	
TNUM33	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
TQX6DR	Yfiler® Plus Kit	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		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 2 - YSTR Results

TRDEE7	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
TVTYBT	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
TVYCV9	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
TXZGAP	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
U9FCEF	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
UBYT7Z		2						11		
									2	
UFHN9R	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	NT	NT
			NT	NT	NT	23	NT	12	NT	
URUV8D	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
V2FCFE	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
V8GZLK	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

VB2TU7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
VHYGER	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
VM9PN9	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
VMFNA7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
W4QXCQ	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
W69XL8	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
W8Q98P	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
WA2YLZ	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
WCA3JH	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WEWCC	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

WLCGBH	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WNRM4E	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WY393E	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
X4PK4N	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
XFG8EP	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
XWN99Q	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
Y8RKF7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Y9HU4E	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YADD7F	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YDCP4Z	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 2 - YSTR Results

YENQNE	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YGH6K6	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YHDNM7	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YQGA46	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YX2BKH	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YXK8X3	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Z4KXQ8	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Z7A2MK	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	n/t	n/t
			n/t	n/t	n/t	23	n/t	12	n/t	
ZCVYB8	Yfiler®	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
ZQG8DE	PowerPlex® Y 23	2	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 3 - YSTR Results

28FT7K	GlobalFiler	3								11
										2
2BG28P	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
2HZ87G	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
2X9EZD	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
2XBW8N	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12	2	
2XWDMQ	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
32P6KE		3								11
										2
3J4EPL	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
3UQH4Z	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
3YLC22	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

42RUZW	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
43Y8BJ	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
4XPTZZ	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
693N46	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
6AYXFU	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
6GGBET	PowerPlex® Y 23 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
739876	PowerPlex® Y 23 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
78LU3U	PowerPlex® Y 23 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7DRNWQ	PowerPlex® Y 23 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
7KQZ6F	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		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 3 - YSTR Results

7KTNKY	PowerPlex® Y 23, Fusion - DYS391 only	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
7Y8722	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
829FLH	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
8L2CAN	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8TGVR3	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8URYWE	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
8UYTAU	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
8ZXQ9W	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
9996UY	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
9C6WXP	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 3 - YSTR Results

9CRC7F	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
9FKFVD	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
9K3LGE	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
9LBQ6B	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12	2	
9QMPMW	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
A4C446	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
A93DD3	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
AAFWCE	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
AU7YFU	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
B63CYR	Yfiler® Plus	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		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 3 - YSTR Results

B6JHBB	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
B9G99A	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
BDHVJQ	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BLRKWP	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BP6EMU	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BRA346	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
BT8DXM	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
C2WABA	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
C6DTGX	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
CMJ3BV	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

CVRJYV	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
CXD9GM	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
CXVEHY	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DJCWLN	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DR2UZA	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DT48X6	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DUUFW8	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
DYLP87	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
DZHFY7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	not typed	not typed
			not typed	not typed	not typed	23	not typed	12	not typed	
EBDQ6R	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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	

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EFQR2J	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
EX8MU7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
EZFTBZ	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
FH8BLD		3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FHUMLL	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FJ9YDP	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
FKYA3X	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FM4Z3K	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
FNJDVN	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
G3QPP2	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

G9X7AM	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
GAA77H	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GCN6RR	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GJZKQ	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GLPTG4	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
GQKME6	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
GXNKBN	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
GYWU2Z	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
HANRFJ	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
HD9TA7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	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 3 - YSTR Results

HNWLXN	GlobalFiler									
	3							11		
[Redacted]										
2										
HVRDHB	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
J2DPUH	PowerPlex® Y 23									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
12										
17										
18										
23										
9										
12										
J4JBLP	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
JFA4UC	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
JJ7XJ2	PowerPlex® Y 23									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
12										
22										
12										
JKTYW6	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
JMAGUF	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
JMQPU4	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
12										
JNRDH9	Yfiler®									
	3	14	11,14	13	29	24	11	13	14	
[Redacted]										
23										
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 3 - YSTR Results

K4CMHG	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
K687JH	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
KF9H3Q	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
KLRY2U	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
KZCCLG	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
LCNYB8	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
LF6FF6	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
LMNPUU	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
LUZW64	Yfiler®	3	17	13	24	29	19	14	11,14	14
			11	11	23	13	12	15	12	19
LX9Z4	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	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 3 - YSTR Results

LZF8TT	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
M9FECX	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
ME4V8W	Yfiler® 1509102	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
MEQ83N	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
MQKQGU	Yfiler® Plus	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
N79EVX	GlobalFiler	3						11		
									2	
N7F6GN	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
NGQM6K	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
NP9BMT	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
P73FGF	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

P7QGL7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
P8LYN8	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PGRUVJ	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PKMVKE	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
PN8MVG	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PQCKXW	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
PQHYZH	Yfiler® Plus	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
PV6E4B	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
PWKP6P	Yfiler® Plus	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
PWZVG9	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

QBRCJB	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QD4RDC	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QFNT8Y	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QGHLTA	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
QPTZMY	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
QRYHLU	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
QZAK8V	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
R7J3GA	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
R8RCVY	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	N/A	N/A
			N/A	N/A	N/A	23	N/A	12	N/A	
RAXLDW	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

RN2A8C	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
RQJLTU	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
RZAVQ6	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
T6FX2Y	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	n/a	n/a
			n/a	n/a	n/a	23	n/a	12	n/a	
TKFPX2	Globalfiler	3						11		
									2	
TNUM33	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
TQX6DR	Yfiler® Plus Kit	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
				17	18	23		12		
TRDEE7	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
TVTYBT	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
TVYCV9	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

TXZGAP	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
U9FCEF	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
UBYT7Z	3						11		
								2	
UFHN9R	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	NT	NT
		NT	NT	NT	23	NT	12	NT	
UQZ62Y	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
URUV8D	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
V2FCFE	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
V8GZLK	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
VB2TU7	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		12		
VEY42Z	Yfiler® 3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19		
					23		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 3 - YSTR Results

VHYGER	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
VM9PN9	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
VMFNA7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
W4QXCQ	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
W69XL8	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
W8Q98P	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
WA2YLZ	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
WCA3JH	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WEVWCC	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WLCGBH	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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	

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WNRM4E	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
WY393E	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
X4PK4N	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
XFG8EP	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
XJ84BW	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
XWN99Q	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	-	-
			-	-	-	23	-	12	-	
Y8RKF7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Y9HU4E	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YADD7F	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YDCP4Z	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

YENQNE	PowerPlex® Y 23	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	22	12
			12	17	18	23	9	12		
YGH6K6	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YHDM7	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YQGA46	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YX2BKH	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
YXK8X3	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Z3Q8KT	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Z4KXQ8	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		12		
Z7A2MK	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19	n/t	n/t
			n/t	n/t	n/t	23	n/t	12	n/t	
ZCVYB8	Yfiler®	3	14	11,14	13	29	24	11	13	14
			15	12	11	19	17	19		
						23		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 3 - YSTR Results

ZQG8DE	PowerPlex® Y 23								
	3	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	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

7QKV38	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
ERKY82	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
HKUMMV	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
J7TBQW	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
N2KE9Q	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	12		
TC79CM	PowerPlex® Y 23 3e	14	11,14	13	29	24	11	13	14
		15	12	11	19	17	19	22	12
		12	17	18	23	9	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 3sp - YSTR Results

7QKV38	PowerPlex® Y 23								
	3sp	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
ERKY82	PowerPlex® Y 23								
	3sp	[REDACTED]							
HKUMMV	PowerPlex® Y 23								
	3sp	[REDACTED]							
J7TBQW	PowerPlex® Y 23								
	3sp	[REDACTED]							
N2KE9Q	PowerPlex® Y 23								
	3sp	[REDACTED]							
TC79CM	PowerPlex® Y 23								
	3sp	[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 4 - YSTR Results

28FT7K	GlobalFiler								
	4						10		
2									
2BG28P	Yfiler®								
	4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	N/A	N/A
N/A N/A N/A 21 N/A 12 N/A									
2HZ87G	PowerPlex® Y 23								
	4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
9 18 16 21 11 12									
2X9EZD	Yfiler®								
	4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
21 12									
2XBW8N	Yfiler®								
	4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
21 12 2									
2XWDMQ	PowerPlex® Y 23								
	4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16	23	12
9 18 16 21 11 12									
32P6KE									
	4						10		
2									
3J4EPL	Yfiler®								
	4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16	-	-
- - - 21 - 12 -									
3UQH4Z	Yfiler®								
	4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
21 12									
3YLC22	Yfiler®								
	4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
21 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 4 - YSTR Results

42RUZW	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
43Y8BJ	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
4XPTZZ	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
693N46	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
6AYXFU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
6GGBET	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
739876	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
78LU3U	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7DRNWQ	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7KQZ6F	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

7KTNKY	PowerPlex® Y 23, Fusion - DYS391 only	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7QKV38	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
7Y8722	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
829FLH	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
8L2CAN	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8TGVR3	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8URYWE	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
8UYTAU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
8ZXQ9W	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
9996UY	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

9C6WXP	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
9CRC7F	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
9FKFVD	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
9K3LGE	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
9QMPMW	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
A4C446	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
A93DD3	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
AAFWCE	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
AU7YFU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
B63CYR	Yfiler® Plus	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		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 4 - YSTR Results

B6JHBB	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
B9G99A	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
BDHVJQ	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BLRKWP	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BP6EMU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BRA346	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
BT8DXM	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
C2WABA	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
C6DTGX	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
CMJ3BV	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

CVRJYV	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
CXD9GM	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
CXVEHY	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DJCWLN	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DR2UZA	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DT48X6	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DUUFW8	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
DYLP87	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
DZHFY7	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	not typed	not typed
			not typed	not typed	not typed	21	not typed	12	not typed	
EBDQ6R	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

EFQR2J	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
ERKY82	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
EZFTBZ	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
FH8BLD		4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FHUMLL	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FJ9YDP	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
FKYA3X	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FM4Z3K		4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
FNJDVN	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
G3QPP2	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

G9X7AM	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
GAA77H	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GCN6RR	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GJZKQ	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GLPTG4	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
GQKME6	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
GXNKBN	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
GYWU2Z	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
HANRFJ	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
HD9TA7	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	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 4 - YSTR Results

HKUMMV	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
HNWLXN	GlobalFiler	4						10		
									2	
J2DPUH	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
J4JBLP	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
J7TBQW	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
JFA4UC	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
JJ7XJ2	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
JKTYW6	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
JMAGUF	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
JMQU4	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

JNRDH9	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
K4CMHG	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
K687JH	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
KF9H3Q	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
KLRY2U	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
KZCCLG	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
LF6FF6	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
LMNPUU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
LUZW64	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
LXZ9Z4	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	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 4 - YSTR Results

LZF8TT	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
M9FECX	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
ME4V8W	Yfiler® 1509102	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
MEQ83N	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
MQKQGU	Yfiler® Plus	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
N2KE9Q	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
N79EVX	GlobalFiler	4						10		
									2	
N7F6GN	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
NGQM6K	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
NP9BMT	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

P73FGF	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
P7QGL7	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PGRUVJ	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PKMVKE	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
PN8MVG	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PQCKXW	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
PQHFZH	Yfiler® Plus	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
PV6E4B	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
PWKP6P	Yfiler® Plus	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
PWZVG9	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

QBRCJB	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QD4RDC	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QFNT8Y	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QGHLTA	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
QPTZMY	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
QRYHLU	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
QZAK8V	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
R7J3GA	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
R8RCVY	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	N/A	N/A
			N/A	N/A	N/A	21	N/A	12	N/A	
RAXLDW	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results										
RN2A8C	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
RQJLTU	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
RZAVQ6	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
T6FX2Y	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	n/a	n/a
			n/a	n/a	n/a	21	n/a	12	n/a	
TC79CM	PowerPlex® Y 23	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
TKFPX2	Globalfiler	4						10		
									2	
TNUM33	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
TQX6DR	Yfiler® Plus Kit	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
				18	16	21		12		
TRDEE7	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
TVTYBT	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

TVYCV9	Yfiler® 4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
TXZGAP	Yfiler® 4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
U9FCEF	Yfiler® 4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
UBYT7Z	4						10		
								2	
UFHN9R	Yfiler® 4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16	NT	NT
		NT	NT	NT	21	NT	12	NT	
URUV8D	Yfiler® 4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
V2FCFE	Yfiler® 4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
V8GZLK	Yfiler® 4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
VB2TU7	Yfiler® 4	16	12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		12		
VHYGER	Yfiler® 4	16	12,12	13	28	22	10	11	13
		15	10	12	20	14	16		
					21		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 4 - YSTR Results

VM9PN9	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
VMFNA7	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
W4QXCQ	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
W69XL8	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
W8Q98P	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
WA2YLZ	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
WCA3JH	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WEVWCC	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WLCGBH	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
WNRM4E	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

WY393E	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
X4PK4N	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
XFG8EP	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
XWN99Q	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	-	-
			-	-	-	21	-	12	-	
Y8RKF7	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Y9HU4E	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
YADD7F	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
YDCP4Z	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YENQNE	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		
YGH6K6	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		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 4 - YSTR Results

YHDNM7	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YQGA46	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YX2BKH	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
YXK8X3	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Z4KXQ8	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
Z7A2MK	Yfiler®	4	16	12,12	13	28	22	10	11	13
			15	10	12	20	14	16	n/t	n/t
			n/t	n/t	n/t	21	n/t	12	n/t	
ZCVYB8	Yfiler®	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16		
						21		12		
ZQG8DE	PowerPlex® Y 23	4	16	12	13	28	22	10	11	13
			15	10	12	20	14	16	23	12
			9	18	16	21	11	12		

Additional DNA Results

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
D10S1248	FPU2BU	12,14			
D12S391	FPU2BU	19,21			
D1S1656	FPU2BU	14,16			
D22S1045	FPU2BU	16			
D2S441	FPU2BU	10,14			
D6S1043	CT7Q72	17,18	15,17	15,17	17,18
	DQUD26	17,18	15,17	15,17	17,18
	GYWU2Z	17,18	15,17	15,17	17,18
	HHM6NZ	17,18	15,17	15,17	17,18
	MQKQGU	17,18	15,17	15,17	17,18
	N7VRQP	17,18	15,17	15,17	17,18
	NP9BMT	17,18	15,17	15,17	17,18
	NZPV8P	17,18	15,17	15,17	17,18
DS61043	PWKP6P	17,18	15,17	15,17	17,18
DYF387S1	B63CYR	35,38	36,36	36,36	35,38
	MQKQGU	35,38	36,36	36,36	35,38
	PQHFZH	35,38	36	36	35,38
	PWKP6P	35,38	36,36	36,36	35,38
DYS391	6KWWB8	10	11	11	10
	9LBQ6B	10	11	11	10
	BNW39Y	10	11		
	DJCWLN	10	11		
	EF9GRQ	10	11	11	10
	EX8MU7	10	11	11	10
	FPU2BU	10			
	K72PPP	10	11		
	PQCKXW	10	11	11	10
	QBG9CE	10	11	11	10
	QBRCJB	10	11		
	RU4EWA	10	11		
	RWYVGK	10	11	11	10
	U378CV	10	11	11	10
	UW9JVG	10	11	11	10
	XLQ8VM	10	11		
XVGY98	10	11	11	10	
DYS391 (FUSION)	LXZ9Z4	10	11		

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
DYS391 PowerPlex Fusion	GXNKBN	10	11	11	10
DYS449	B63CYR	30	30	30	30
	MQKQGU	30	30	30	30
	PQHFZH	30	30	30	30
	PWKP6P	30	30	30	30
DYS460	B63CYR	11	12	12	11
	MQKQGU	11	12	12	11
	PQHFZH	11	12	12	11
	PWKP6P	11	12	12	11
DYS481	PKMVKE			22	23
DYS518	B63CYR	33	38	38	33
	MQKQGU	33	38	38	33
	PQHFZH	33	38	38	33
	PWKP6P	33	38	38	33
DYS533	PKMVKE			12	12
DYS549	PKMVKE			12	9
DYS570	PKMVKE			17	18
DYS576	PKMVKE			18	16
DYS627	B63CYR	23	21	21	23
	MQKQGU	23	21	21	23
	PQHFZH	23	21	21	23
	PWKP6P	23	21	21	23
DYS643	PKMVKE			9	11
Yindel	EF9GRQ	2	2	2	2
	EX8MU7	2	2	2	2
	QBG9CE	2	2	2	2
	RU4EWA	2	2		
	RWYVGK	2	2	2	2
	UW9JVG	2	2	2	2
	XVGY98	2	2	2	2
Y-INDEL	6KWWB8	2	2	2	2
	9LBQ6B	2	2	2	2

DNA Interpretations

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

TABLE 5

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
28FT7K	No	Yes	Yes	No	3PVQW4	No	Yes	Yes	No
29BC9M	No	Yes	Yes	No	3UQH4Z	No	Yes	Yes	No
29GRDZ	No	Yes	Yes	No	3YLC22	No	Yes	Yes	No
2BG28P	No	Yes	Yes	No	42RUZW	No	Yes	Yes	No
2BKPM8	No	Yes	Yes	No	43Y8BJ	No	Yes	Yes	No
2HZ87G	No	Yes	Yes	No	44UQCK	No	Yes	Yes	No
2KABR7	No	Yes	Yes	No	4ERMG8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2R3K7G	No	Yes	Yes	No	4GKNB3	No	Yes	Yes	No
2TEFRA	No Interpretations Reported, DNA Analyzed for Database purposes only.				4WVE3A	No	Yes	Yes	No
2X9EZD	No	Yes	Yes	No	4XPTZZ	No	Yes	Yes	No
2XBW8N	No	Yes	Yes	No	693N46	No	Yes	Yes	No
2XWDMQ	No	Yes	Yes	No	6AYXFU	No	Yes	Yes	No
2Y9Z9C	No	Yes	Yes	No	6CZ6HJ	No	Yes	Yes	No
2YZAML	No	Yes	Yes	No	6GGBET	No	Yes	Yes	No
32P6KE	No	Yes	Yes	No	6J2EQX	No	Yes	Yes	No
3BDR2B	No Interpretations Reported, DNA Analyzed for Database purposes only.				6KWWB8	No	Yes	Yes	No
3BU4JF	No	Yes	Yes	No	6LU2R2	No	Yes	Yes	No
3J4EPL	No	Yes	Yes	No	6NUL8K	No	Yes	Yes	No
3PF6M2	No	Yes	Yes	No	6PP69L	No	Yes	Yes	No

TABLE 5

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
6PUDN2	No	Yes	Yes	No	8URYWE	No	Yes	Yes	No
6YC899	No	Yes	Yes	No	8UYTAU	No	Yes	Yes	No
6YGBE7	No	Yes	Yes	No	8V79GZ	No	Yes	Yes	No
6ZCUG8	No	Yes	Yes	No	8ZXQ9W	No	Yes	Yes	No
72X6K7	No	Yes	Yes	No	9996UY	No	Yes	Yes	No
739876	No	Yes	Yes	No	9A3YPH	No	Yes	Yes	No
78LU3U	No	Yes	Yes	No	9C6WXP	No	Yes	Yes	No
7CJ9R6	No	Yes	Yes	No	9CRC7F	No	Yes	Yes	No
7DRNWQ	No	Yes	Yes	No	9FKFVD	No	Yes	Yes	No
7KQZ6F	No	Yes	Yes	No	9G9HZU	No	Yes	Yes	No
7KTNKY	No	Yes	Yes	No	9K3CXV	No	Yes	Yes	No
7QKV38	No	Yes	Yes	No	9K3LGE	No	Yes	Yes	No
7VUBCV	No	Yes	Yes	No	9LBQ6B	No	Yes	Yes	No
7Y8722	No	Yes	Yes	No	9PVLXV	No	Yes	Yes	No
829FLH	No	Yes	Yes	No	9QMPMW	No	Yes	Yes	No
8C979B	No	Yes	Yes	No	9VHK4B		Yes	Yes	
8FED8V	No	Yes	Yes	No	9ZGLYY	No	Yes	Yes	No
8HZ47E	No	Yes	Yes	No	A3FMTT	No	Yes	Yes	No
8L2CAN	No	Yes	Yes	No	A4B7VU	No	Yes	Yes	No
8TGVR3	No	Yes	Yes	No	A4C446	No	Yes	Yes	No

TABLE 5

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
A64432	No Interpretations Reported, DNA Analyzed for Database purposes only.				C2WABA	No	Yes	Yes	No
A7TGGD	No	Yes	Yes	No	C4J3BH	No	Yes	Yes	No
A8C2TB	No	Yes	Yes	No	C6DTGX	No	Yes	Yes	No
A93DD3	No	Yes	Yes	No	C9BBC4	No	Yes	Yes	No
AAFWCE	No	Yes	Yes	No	C9DYZA	No	Yes	Yes	No
AEFYMA	No	Yes	Yes	No	C9HFY9	No	Yes	Yes	No
ARK6MZ	No	Yes	Yes	No	C9XN9W	No	Yes	Yes	No
AU7YFU	No	Yes	Yes	No	CDAKPR	No	Yes	Yes	No
AU8VN6	No	Yes	Yes	No	CH6EMT	No	Yes	Yes	No
B63CYR	No	Yes	Yes	No	CMJ3BV	No	Yes	Yes	No
B6JHBB	No	Yes	Yes	No	CT7Q72	No	Yes	Yes	No
B9G99A	No	Yes	Yes	No	CVRJYV	No	Yes	Yes	No
BB876F	No	Yes	Yes	No	CWKDUE	No	Yes	Yes	No
BDHVJQ	No	Yes	Yes	No	CXD9GM	No	Yes	Yes	No
BLRKWP	No	Yes	Yes	No	CXVEHY	No	Yes	Yes	No
BNW39Y	No Interpretations Reported, DNA Analyzed for Database purposes only.				DCVD4A	No	Yes	Yes	No
BP6EMU	No	Yes	Yes	No	DJCWLN	No	Yes	Yes	No
BRA346	No	Yes	Yes	No	DLVXFA	No	Yes	Yes	No
BT8DXM	No	Yes	Yes	No	DQC9LR	No	Yes	Yes	No
BWTUGT	No	Yes	Yes	No	DQUD26	No	Yes	Yes	No

TABLE 5

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
DR2UZA	No	Yes	Yes	No	FM4Z3K	No	Yes	Yes	No
DT48X6	No	Yes	Yes	No	FNJDVN	No	Yes	Yes	No
DUUFW8	No	Yes	Yes	No	FPU2BU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DYLP87	No	Yes	Yes	No	FYG3Q4	No	Yes	Yes	No
DYZ9R4	No Interpretations Reported, DNA Analyzed for Database purposes only.				G2HMUU	No	Yes	Yes	No
DZ3WE9	No	Yes	Yes	No	G3QPP2	No	Yes	Yes	No
DZHFY7	No	Yes	Yes	No	G93N8L	No	Yes	Yes	No
E3ZU37	No	Yes	Yes	No	G9ECK7	No	Yes	Yes	No
E4UPG3	No	Yes	Yes	No	G9X7AM	No	Yes	Yes	No
EBDQ6R	No	Yes	Yes	No	GAA77H	No	Yes	Yes	No
EF9GRQ	No	Yes	Yes	No	GCN6RR	No	Yes	Yes	No
EFQR2J	No	Yes	Yes	No	GJZNKQ	No	Yes	Yes	No
ERKY82	No	Yes	Yes	No	GLPTG4	No	Yes	Yes	No
EX8MU7	No	Yes	Yes	No	GQKME6	No	Yes	Yes	No
EZFTBZ	No	Yes	Yes	No	GTP4XU	No	Yes	Yes	No
F7JZMM	No	Yes	Yes	No	GTR6DZ	No	Yes	Yes	No
FH8BLD	No	Yes	Yes	No	GWL4MP	No	Yes	Yes	No
FHUMLL	No	Yes	Yes	No	GXNKBN	No	Yes	Yes	No
FJ9YDP	No	Yes	Yes	No	GYWU2Z	No	Yes	Yes	No
FKYA3X	No	Yes	Yes	No	HANRFJ	No	Yes	Yes	No

TABLE 5

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
HD9JQL	No	Yes	Yes	No	JMWUF8	No	Yes	Yes	No
HD9TA7	No	Yes	Yes	No	JNRDH9	No	Yes	Yes	No
HDEQXN	No	Yes	Yes	No	JP6XEP	No	Yes	Yes	No
HDUAHL	No	Yes	Yes	No	JUUMN2	No	Yes	Yes	No
HEGZG6	No	Yes	Yes	No	K4CMHG	No	Yes	Yes	No
HENR3V	No	Yes	Yes	No	K687JH	No	Yes	Yes	No
HHM6NZ	No	Yes	Yes	No	K72PPP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HKUMMV	No	Yes	Yes	No	KAXPCZ	No	Yes	Yes	No
HNWLXN	No	Yes	Yes	No	KCTYX3	No	Yes	Yes	No
HVRDHB	No	Yes	Yes	No	KF9H3Q	No	Yes	Yes	No
J2DPUH	No	Yes	Yes	No	KKM4Q4	No	Yes	Yes	No
J4JBLP	No	Yes	Yes	No	KLRY2U	No	Yes	Yes	No
J6RM27	No	Yes	Yes	No	KLX4MX	No	Yes	Yes	No
J7TBQW	No	Yes	Yes	No	KMRKAT	No	Yes	Yes	No
JE3LVG	No	Yes	Yes	No	KV2BC7	No	Yes	Yes	No
JFA4UC	No	Yes	Yes	No	KZCCLG	No	Yes	Yes	No
JJ7XJ2	No	Yes	Yes	No	L4UTG7	No	Yes	Yes	No
JKTYW6	No	Yes	Yes	No	LAGJ42	No	Yes	Yes	No
JMAGUF	No	Yes	Yes	No	LBBEHX	No	Yes	Yes	No
JMQPU4	No	Yes	Yes	No	LCNYB8	No	Yes	Yes	No

TABLE 5

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
LF6FF6	No	Yes	Yes	No	NDQRUW	No	Yes	Yes	No
LLAEQV	No	Yes	Yes	No	NDWQHE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LMNPUU	No	Yes	Yes	No	NELCWN	No	Yes	Yes	No
LUZW64	No	Yes	Yes	No	NGQM6K	No	Yes	Yes	No
LVF87G	No	Yes	Yes	No	NL4RCE	No	Yes	Yes	No
LXZ9Z4	No	Yes	Yes	No	NP9BMT	No	Yes	Yes	No
LZF8TT	No	Yes	Yes	No	NRT6FM	No	Yes	Yes	No
M8BQBE	No	Yes	Yes	No	NXVEMF	No	Yes	Yes	No
M9FECX	No	Yes	Yes	No	NYQWNG	No	Yes	Yes	No
MDR9JF	No	Yes	Yes	No	NZPV8P	No	Yes	Yes	No
ME4V8W	No	Yes	Yes	No	P3QHYK	No	Yes	Yes	No
MEQ83N	No	Yes	Yes	No	P73FGF	No	Yes	Yes	No
MFMQ6Q	No	Yes	Yes	No	P7QGL7	No	Yes	Yes	No
MQKQGU	No	Yes	Yes	No	P8LYN8	No	Yes	Yes	No
MQNB8H	No	Yes	Yes	No	P9BQDJ	No	Yes	Yes	No
N2KE9Q	No	Yes	Yes	No	PDKQNN	No	Yes	Yes	No
N79EVX	No	Yes	Yes	No	PDRVAT	No	Yes	Yes	No
N7F6GN	No	Yes	Yes	No	PGRUJ	No	Yes	Yes	No
N7VRQP	No	Yes	Yes	No	PKMVKE	No	Yes	Yes	No
NCK4RD	No	Yes	Yes	No	PMYLXP	No	Yes	Yes	No

TABLE 5

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
PN8MVG	No	Yes	Yes	No	R9M7GB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
PQCKXW	No	Yes	Yes	No	RAXLDW	No	Yes	Yes	No
PQD8L3	No	Yes	Yes	No	RBUC8H	No	Yes	Yes	No
PQHFZH	No	Yes	Yes	No	RDF7YC	No	Yes	Yes	No
PV6E4B	No	Yes	Yes	No	RGEGVC	No	Yes	Yes	No
PWJ2FX	No	Yes	Yes	No	RGXGLV	No	Yes	Yes	No
PWKP6P	No	Yes	Yes	No	RJ4Q3R	No	Yes	Yes	No
PWZVG9	No	Yes	Yes	No	RN28FL	No	Yes	Yes	No
QBG9CE	No	Yes	Yes	No	RN2A8C	No	Yes	Yes	No
QBRCJB	No	Yes	Yes	No	RQJLTU	No	Yes	Yes	No
QD4RDC	No	Yes	Yes	No	RRXYLX	No	Yes	Yes	No
QFNT8Y	No	Yes	Yes	No	RTRQBP	No	Yes	Yes	No
QGHLTA	No	Yes	Yes	No	RU4EWA	No	Yes	Yes	No
QK64DF	No	Yes	Yes	No	RWYVGK	No	Yes	Yes	No
QPTZMY	No	Yes	Yes	No	RZAVQ6	No	Yes	Yes	No
QRYHLU	No	Yes	Yes	No	T6FX2Y	No	Yes	Yes	No
QUCWQG	No	Yes	Yes	No	TC79CM	No	Yes	Yes	No
QZAK8V	No	Yes	Yes	No	TEQ6UL	No	Yes	Yes	No
R7J3GA	No	Yes	Yes	No	TJYT62	No Interpretations Reported, DNA Analyzed for Database purposes only.			
R8RCVY	No	Yes	Yes	No	TKFPX2	No	Yes	Yes	No

TABLE 5

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
TNUM33	No	Yes	Yes	No	V8JHTV	No	Yes	Yes	No
TQX6DR	No	Yes	Yes	No	VB2TU7	No	Yes	Yes	No
TRDEE7	No	Yes	Yes	No	VDP348	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TUXF9R	No	Yes	Yes	No	VEY42Z	No	Yes	Yes	No
TVTYBT	No	Yes	Yes	No	VG8C7D	No	Yes	Yes	No
TVYCV9	No	Yes	Yes	No	VHYGER	No	Yes	Yes	No
TXZGAP	No	Yes	Yes	No	VLHCGJ	No	Yes	Yes	No
U378CV	No	Yes	Yes	No	VM9PN9	No	Yes	Yes	No
U9FCEF	No	Yes	Yes	No	VMFNA7	No	Yes	Yes	No
UBYT7Z	No	Yes	Yes	No	VNRLCQ	No	Yes	Yes	No
UDPRJ	No	Yes	Yes	No	W4Q78	No	Yes	Yes	No
UFHN9R	No	Yes	Yes	No	VW223A	No	Yes	Yes	No
UHKLJK	No	Yes	Yes	No	VXUUV9	No	Yes	Yes	No
UMHXP	No	Yes	Yes	No	W2RLRC	No	Yes	Yes	No
UQZ62Y	No	Yes	Yes	No	W3M4TD	No	Yes	Yes	No
URUV8D	No	Yes	Yes	No	W4QXCQ	No	Yes	Yes	No
UW9JVG	No	Yes	Yes	No	W69XL8	No	Yes	Yes	No
V2FCFE	No	Yes	Yes	No	W8Q98P	No	Yes	Yes	No
V3TYYE	No	Yes	Yes	No	WA2YLZ	No	Yes	Yes	No
V8GZLK	No	Yes	Yes	No	WBFLY9	No	Yes	Yes	No

TABLE 5

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
WCA3JH	No	Yes	Yes	No	YADD7F	No	Yes	Yes	No
WEVWCC	No	Yes	Yes	No	YDCP4Z	No	Yes	Yes	No
WEZDBB	No	Yes	Yes	No	YDVRJN	No	Yes	Yes	No
WLCGBH	No	Yes	Yes	No	YENQNE	No	Yes	Yes	No
WNRM4E	No	Yes	Yes	No	YGH6K6	No	Yes	Yes	No
WQA4Y6	No	Yes	Yes	No	YHDNM7	No	Yes	Yes	No
WY393E	No	Yes	Yes	No	YMG2J	No	Yes	Yes	No
X32ZQ6	No	Yes	Yes	No	YPPWZZ	No	Yes	Yes	No
X4PK4N	No	Yes	Yes	No	YQGA46	No	Yes	Yes	No
XA2CUE	No	Yes	Yes	No	YX2BKH	No	Yes	Yes	No
XBAMBQ	No	Yes	Yes	No	YXK8X3	No	Yes	Yes	No
XFG8EP	No	Yes	Yes	No	Z3Q8KT	No	Yes	Yes	No
XJ84BW	No	Yes	Yes	No	Z4KXQ8	No	Yes	Yes	No
XLQ8VM	No Interpretations Reported, DNA Analyzed for Database purposes only.				Z7A2MK	No	Yes	Yes	No
XRHNC8	No	Yes	Yes	No	Z8HGUV	No	Yes	Yes	No
XTW6FD	No	Yes	Yes	No	Z9H6L3	No	Yes	Yes	No
XVGY98	No	Yes	Yes	No	ZCVYB8	No	Yes	Yes	No
XWN99Q	No	Yes	Yes	No	ZQG8DE	No	Yes	Yes	No
Y8RKF7	No	Yes	Yes	No	ZR9FCH	No	Yes	Yes	No
Y9HU4E	No	Yes	Yes	No	ZTHNXN	No	Yes	Yes	No

TABLE 5

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
ZX2L27	No	Yes	Yes	No					
ZYW448	No	Yes	Yes	No					

DNA Interpretation					
Response Summary				Participants reporting DNA results: 360	
<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)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
	Yes	0	347	347	0
	No	346	0	0	346
	Inc	0	0	0	0

Participants not reporting Interpretation results: 13

Additional Comments

TABLE 6

WebCode	Additional Comments
28FT7K	Note: Discordant results between GlobalFiler and Identifiler results at D18S51 for sample 2.
29BC9M	Item 2 and 3 Identifiler PLUS, D18S51: 16-16. Item 2 and 3 Powerlex HS, D18S51: 13-16
2Y9Z9C	Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed. Item 2 was determined to be tri-allelic at the TPOX locus. This tri allele was also observed in Item 3. Item 3 was analyzed with Identifiler Plus and for D18S51, the 13 allele was imbalanced with the 16. MiniFiler was also used on Item 3 and the results obtained for D18S51 was 13,16 where the 2 alleles were balanced. Therefore, this is indicative of a primer site mutation for the 13 allele at D18S51.
2YZAML	ITEM 2, ITEM 3 - D18S51 LOCI RESULT : 16(Identifiler Plus), 13,16(PowerPlex HS)
3BU4JF	Items 2 and 3 had a 13 allele at D18S51 that cannot pair with the 16 allele. The 13 allele is much lower in RFUs and may have a primer binding site mutation. Items 2 and 3 also had a tri-allele detected at TPOX with similar RFU's for all three alleles.
3J4EPL	1) Item1 and Item2 were extracted using the in-situ extraction method. 2) Item3 and Item4 were extracted using the Chelex method and quantification was carried out using the Quantifiler Human DNA Quantification kit. 3) Y-STR was carried out for Item1, Item2, Item3 and Item4 using the AmpFiSTR Y-Filer kit. 4) Item1 and Item2 were amplified using Identifiler Direct STR kit. 5) Item3 and Item4 were amplified using Identifiler Plus STR kit. 6) Electrophoresis was carried out using 3130xl Genetic Analyzer. 7) Reagent Blank, Positive Control and Negative Control were also incorporated throughout the analysis.
3PF6M2	tri-allele in item 3 and item 2 (concordant profiles) - confirmed by separate amps
3PVQW4	Item 2 was typed using both the Identifiler Plus amplification kit and the GlobalFiler Express typing kit. The Identifiler Plus result for Item 2 at the D18S51 locus is a 16 allele. The GlobalFiler Express results for Item 2 at the D18S51 locus are a 13 allele and a 16 allele. Therefore, a null allele was detected in Item 2 when using the Identifiler Plus amplification kit. This may be due to a primer site binding mutation which has been previously documented on STRBase. These results are also consistent with the fact that the GlobalFiler Express amplification kit has added new SNP-specific primers for 8 loci; the D18S51 locus is included in this list. According to our current laboratory practice, evidence items are typed using the Identifiler Plus amplification kit. Item 3 was typed using the Identifiler Plus amplification kit. The Identifiler Plus result for Item 3 at the D18S51 locus is a 16 allele.
3UQH4Z	Identifiler Plus & MiniFiler results concordant except for items 2 & 3 D18S51 in Identifiler Plus only 16 allele detected. In MiniFiler, 13 + 16 alleles detected
3YLC22	Reproducible 13 allele called at D18S51 for Item 2 and Item 3. These peaks were at a much lower intensity than the 16 peak. Did not affect interpretation.
43Y8BJ	In Items 2 and 3 the tri-allele at TPOX was confirmed. There was a suspected primer binding site mutation at locus D18S51 in Identifiler Plus as there was a discordance at that locus with the Minifiler allele calls. With the Identifiler Plus kit, a homozygote 16 was called, but with Minifiler, a heterozygote 13,16 was called. Those samples were processed with PowerPlex Fusion to resolve the issue. The Minifiler allele calls were concordant with the PowerPlex Fusion allele calls at D18S51. The heterozygote 13,16 was reported instead of the homozygote 16 obtained with Identifiler Plus at D18S51 due to the suspected primer binding site mutation. All other overlapping loci were concordant across the 3 kits.
44UQCK	ITEM 2, ITEM 3 D18S51 LOCI : 16(Identifiler plus), 13,16(PowerPlex HS)
4GKNB3	Item # 2 was examined using the GlobalFiler and Identifiler Plus kits. With GlobalFiler, D18S51 alleles detected were 13,16. With Identifiler Plus, only the 16 allele was detected at D18S51.

TABLE 6

WebCode	Additional Comments
4XPTZZ	Concordant results were generated with Identifiler Plus and MiniFiler with the exception of D18S51; the following results were generated for samples #2 and #3 D18(16) Identifiler Plus D18(13,16) MiniFiler
6J2EQX	Suspect (item 2) was included in Item 3 even though there is a difference in allele calls at D18S51 (Suspect= 13, 16; Item 3= 16) Item 3 at D18S51 would be reported out as inconclusive due to an amp kit anomaly. Item 3 was amplified using the Identifiler kit in which 2 out of 3 separate amplifications the 13 allele didn't reach the detection threshold of 50rfu. The one time that the 13 allele met the detection threshold, it had a peak height ratio with the 16 allele of 4.6%. This peak height is uncommon for a single source heterozygote locus; therefore it was originally called off as a non-product peak. The reference sample (Item 2) was amplified using the Globalfiler Express kit with 2 separate amplifications. The 13 allele was detected and met appropriate peak height ratios in Item 2 for both amps. It is known that there is a SNP primer binding site difference between the two amplification kits. The website strbase discusses the loss of an allele with different amplification kits. Sequencing was performed on those examples to confirm that the SNP primer binding difference could be responsible for a 'null' allele. The [Laboratory] doesn't have the technology to sequence Item 3.
6KWWB8	A tri-allelic genotype (9,10,11) was observed at TPOX for Item 3 (Questioned stain from the victim's underwear) and Item 2 (Known blood from the male suspect). TPOX was excluded from single source statistics in the case report.
6NUL8K	Laboratory will test for semen in sexual assault cases and does not routinely test for saliva unless requested by the investigative officer. Discrepancy in D18S51 was observed with Identifiler Plus and PowerPlex ESX 17 for ITEM 2 and ITEM 3. Alleles for D18S51 for these two items are reported with results obtained from PowerPlex ESX 17.
6PUDN2	A possible triallele was detected at TPOX on Items 2 and 3.
6YGBE7	In Item 3, a low level 13 allele was called at D18S51. This allele was out of balance with the other allele at this location, but the overall profile did not appear to be a mixture. The low level allele does not appear to be an artifact and it is possible that the imbalance is due to a primer site mutation, therefore the allele was deemed inconclusive. Balanced tri-allele observed at TPOX in Item 2 and Item 3.
6ZCUG8	Triallelic pattern observed at TPOX in items 2 and 3. Inconclusive allele observed at D18S51 in item 3. Inconclusive due to it being a possible amplification artifact, or possible primer binding site mutation. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests performed.
739876	Item 4 (Stain from the suspect's couch): Semen Negative, AP inconclusive due to fabric color, micro sperm negative.
7KTNKY	Items 2 and 3: tri-allele pattern at TPOX typed as 9,10,11
7QKV38	Results at TPOX for items 2 and 3 indicate that the donor is tri-allelic at this locus (9,10,11). Item 3 was subjected to a differential extraction, however the sperm fraction was not amplified as there was insufficient DNA detected (as such, the results at each locus for this fraction are not applicable or 'N/A').
8HZ47E	For items #3 and #2, I observed three even alleles at TPOX (a reproducible tri-allelic pattern). Additionally for items #3 and #2, there appears to be a primer binding mutation at D18 locus resulting in a shorter peak at the 13 allele position compared to the 16 sister allele which was half of the expected observed RFU's.
8URYWE	1) Item 1 and Item 2 were extracted using the in-situ extraction method. 2) Item 3 and Item 4 were extracted using the Tecan method and quantification was carried out using the Quantifiler Human DNA Quantification kit. 3) Y-STR was carried out for Item 1, Item 2, Item 3 and Item 4 using the AmpFiSTR Y-Filer kit. 4) Item 1 and Item 2 were amplified using Identifiler Direct STR kit. 5) Item 3 and Item 4 were amplified using Identifiler Plus STR kit. 6) Electrophoresis was carried out using 3130xl GEnetic Analyzer 7) Reagent Blank, Positive Control and Negative Control were also incorporated throughout the analysis.

TABLE 6

WebCode	Additional Comments
9A3YPH	Test for semen not done as there is no indication of sexual assault in scenario. Test for saliva not done unless specifically requested for by client. Discordant results obtained at D18S51 for Items 2 and 3. For Item 2 - 16,16 obtained with Identifiler Direct amplification kit, while 13,16 obtained with ESX17 amplification kit. For Item 3 - 16,16 obtained with Identifiler Plus amplification kit, while 13,16 obtained with ESX17 amplification kit.
9CRC7F	1) Item1 and Item2 were extracted using the in-situ extraction method 2)Item3 and Item4 were extracted using the Chelex method and quantification was carried out using the Quantifiler Human DNA Quantification Kit 3)Y-STR was carried out on Item1, Item2, Item3 and Item4 using the AmpFiSTR Y-File kit 4)Item1 and Item2 were amplified using Identifiler Direct STR Kit 5)Item3 and Item4 were amplified using Identifiler Plus STR Kit 6)Electrophoresis was carried out using 3130xl Genetic Analyzer 7)Reagent Blank, Positive Control and Negative Control were also incorporated throughout the analysis
9FKFVD	Tri allele seen in TPOX of Items 2 and 3.
9K3CXV	Item 2 and Item 3: Reproducible tri-allelic pattern observed at TPOX. Item 4: No sperm were observed during microscopic examination; however, a low concentration of male DNA was detected in the SP fraction at quantitation. DNA typing processes were performed on both the EC and SP fractions. The same DNA profile was obtained from both the EC and SP fractions; most likely as a result of carryover from the EC fraction during differential digestion.
9LBQ6B	Note: Both DNA testing kits Globalfiler and Identifiler were run and compared. For Items 2 and 3 loci D18S51 Identifiler results obtain a 16 but Globalfiler results obtain 13, 16.
9PVLXV	Item 2 (Known blood from Suspect) and Item 3 (Questioned stain from underwear) appear to contain a primer binding site mutation at the D18S51 locus based on the RFU value of allele 16 in comparison to the RFU values of the other alleles at other loci. In addition, also observed tri-allele at TPOX in the same two samples (Item 2 and Item 3).
A3FMTT	Item 3 & Item 2- both have a tri-allele at TPOX and a homozygote with very low RFU's at D18S51. The tri-allele will not be used for stats. The low RFU's at D18S51 is possibly due to a primer binding site mutation and was NOT used in stats or for comparison.
A4C446	Trisomy allelic pattern present in questioned item #3 and known item #2.
AAFWCE	1. Item 1 and Item 2 were extracted using in-situ extraction method. 2. Item 1 and Item 2 were directly amplified using Identifiler Direct. 3. Item 3 and Item 4 were extracted using Chelex method. 4. Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit and amplified using Identifiler Plus. 5. Y-STR analysis was carried out on all items using AmpFiSTR Y-File Kit. 6. Electrophoresis was carried out on all items using 3130XL Genetic Analyzer. 7. Reagent blank, positive and negative control were also incorporated throughout the analysis.
AEFYMA	Item 2, genotype at D18S51: a reproducible peak height imbalance was observed; possibly due to a mutation at a primer binding site; [] indicates weaker allele. Item 3, genotype at D18S51: a reproducible peak height imbalance was observed; possibly due to a mutation at a primer binding site; [] indicates weaker allele.
ARK6MZ	Items 1 and 2 were typed using both the Identifiler Plus kit and the Globalfiler Express kit. For item 2 (suspect), using the Globalfiler Express kit, "13,16" is detected at D18S51. Using the Identifiler Plus kit, only a "16" is detected at D18S51.
B63CYR	A tri-allelic pattern was observed in Items 2 and 3 at the TPOX locus. Elevated stutter was observed in Item 2 at the DYS458 locus and Item 3 at the DYS393 locus.
B6JHBB	For items #2 and #3, at the TPOX locus, 3 balanced alleles were observed (tri-allelic pattern). Additionally, for items #2 and #3, at the D18S51 locus, there appears to be a primer binding mutation resulting in a shorter peak at the 13 allele position. Given the observed RFUs of the sister allele at the 16 position (which was half the expected RFUs), the 13 allele is likely a partial null allele.

TABLE 6

WebCode	Additional Comments
BB876F	Item 3 and 4: Test for saliva and semen not routinely conducted for articles in assault cases unless specifically requested for by the client. Item 2 and 3: Discordance in D18S51 amplified with Identifiler Plus and Powerplex ESX17 is noted. Will report according to results obtained from Powerplex ESX17.
BWTUGT	Items 2 & 3, all alleles above analytical reported and documented. For purposes of casework, TPOX and D18 will not be used for statistics. TPOX contains a tri-allele and D18 contains a possible primer binding site mutation when amplified with Identifiler Plus (RFU value for the homozygote is lower than expected when looking at the entirety of the profile).
C9BBC4	^ used to indicate peaks below stochastic threshold
C9DYZA	A tri-allele was detected at TPOX for both item 2 and 3. In addition, a possible minor allele or partial null allele at position 13 was detected at the D18S51 locus for item 3. Items 2 and 3 were both re-amplified with more product. The tri-allele was reproducible in both items. The 13 allele at D18S51 was also observed in both item 2 and item 3. The 13 allele will be reported as a possible partial null allele.
C9HFX9	NT = NOT TESTED. For Items 2 and 3, at TPOX apparent tri allele, and at D18S51 apparent primer site binding mutation, both amplified and typed multiple times to confirm.
C9XN9W	Known item 2 was determined to be tri-allelic at the TPOX locus. This tri-allele was also observed in the questioned item 3. On item 3 the 13 allele at D18S51 was interpreted to be an inconclusive allele due to peak height imbalance (possible low level secondary contributor or possibly a primer site binding inefficiency). Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
CWKDUE	No test for semen was performed as the laboratory only tests for semen in sexual assault cases. No test for saliva was performed as the laboratory does not routinely test for saliva unless requested by the investigative officer. The D18S51 locus gave discrepant results between the PowerPlex® ESX 17 kit and Identifiler kit for Items 2 and 3, likely due to primer site mutation. The reported genotype is 13, 16.
CXVEHY	Exhibit 2 --Possible additional genetic information may be present. No additional peaks were detected; detected data is below stochastic threshold. Exhibit 4 The exhibit was inconclusive for the presence of acid phosphatase due to difficulty in accurately detecting a color change as a result of the substrate color. A test for the presence of spermatozoa was negative.
DQC9LR	Locus TPOX in Item 3 was dropped for statistics due to possible trisomy. This is also apparent in Suspect standard Item 2.
DUUFW8	TPOX in samples 2 and 3 is tri-allelic (9,10,11)
DYL87	Sample number 2 (Suspect's Reference) and sample 3 (Victim's Underwear) are tri-allelic for the TPOX locus. Sample number 2 (Suspect's Reference) and sample 3 (Victim's Underwear) both have a genetic marker discordance for the D18S51 locus. Both samples are type D18S51 type 16 for the Identifiler Kit and D18S51 type 13,16 for the Minifiler kit. Since the Minifiler Kit primers are shorter in length than the Identifiler Kit primers, the most likely explanation is that there is a primer site binding mutation for the chromosome that has the D18S51 type 13 for the Identifiler Kit.
DZ3WE9	Item 2, Item 3: Apparent triallele observed at TPOX. Item 2, Item 3: Reported MiniFiler genotype results at D18S51, due to an apparent primer binding site mutation affecting Identifiler Plus that resulted in a diminished peak for the 13 allele. Minifiler produced a balanced genotype.
DZHFY7	D18S51 results for items 2 and 3: In Identifiler Plus (ID+), both samples had a "16" allele and a very low (possible partial null) "13" allele. In MiniFiler, both samples typed as 13,16. The combined results suggest that Items 2 and 3 have a possible primer-binding site mutation with the ID+ primers. Based on the combined ID+ and MiniFiler results, both samples are being reported as D18S51 13,16.
E3ZU37	For item 2 and item 3, at the TPOX locus, three even alleles were seen (tri-allele). For item 2 and item 3, at the D18S51 locus, there appears to be a possible primer site binding mutation resulting in a shorter peak at the 13 allele position.

TABLE 6

WebCode	Additional Comments
EZFTBZ	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and Item 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3130xl Genetic Analyzers with GeneMapper ID Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
F7JZMM	Item 3 D18S51 possible null allele (13) based on the RFU value of the 16 allele.
FJ9YDP	Items 2 & 3 non-concordance between Identifiler Plus & MiniFiler amplification results at locus D18S51 (IDP 16, MF 13,16). KM was the only screening test performed by the owner of this proficiency. The other screening tests were performed by a qualified forensic biologist analyst in our laboratory.
GCN6RR	Minifiler results were concordant with Identifiler except for Item 3 locus D18; Identifiler results are (16,16) and Minifiler results are (13,16). Possibly a primer binding site mutation for Identifiler.
GLPTG4	The results for Items 2 and 3 had a reproducible tri-allele detected at TPOX (alleles 9,10,11). At locus D18S51, intra-locus imbalance was observed between alleles 13 and 16, however the alleles are reproducible in multiple amplifications. The allele 16 has an rfu that is consistent with heterozygote alleles at other loci. The locus may have a possible primer binding site mutation.
GQKME6	The Identifiler Plus STR data reported on pages 5 and 6 [Table 2 - Amplification Kit(s) & STR Results, Items 2 and 3] 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 our 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. In this specific case, the STRmix results do not include any alleles in addition to those that would be detected with a stutter filter applied. One hundred percent genotype probability was assigned to all loci reported for item 4 and for all loci except TPOX and D18S51 for item 3. These two loci included genetic anomalies which could not be interpreted using STRmix. Therefore, these loci for item 3 were interpreted using our conventional analysis.
GT9WQR	BFI only
GTP4XU	Suspect (Item 2) and the matching profile in Item 3 are tri-allelic at TPOX. There is also a single allele detected at D18S51 that is approximately the same height as the other heterozygous loci and lower in height than other homozygous alleles close in base pair size. This maybe be due to a primer site mutation.
GTR6DZ	The 9,10,11 detected at TPOX for items 3 and 2 is consistent with a tri-allelic pattern. The 13 allele detected at D18S51 for items 3 and 2 is consistent with a partial null allele.
HDEQXN	Tri-allelic pattern, at TPOX for Items 2 and 3, confirmed using STRbase and internal procedures as being previously observed.
HDUAHL	Item 1 and Item 2 amplified in both Identifiler Plus and PowerPlex 18D, only PP18D data entered on Data Sheet. Possible primer binding site mutation at D18S51 detected in Identifiler Plus for Item 2 as only one allele (16) detected at half of the expected peak height. However, balanced heterozygous allele calls (13,16) detected in PowerPlex 18D for Item 2. Therefore, D18S51 locus excluded from comparison of Item 2 with Items 3 and 4.
HEGZG6	Item 2, Item 3 - Identifiler(PLUS) : D18S51(16), - Powerplex(HS) : D18S51(13,16)

TABLE 6

WebCode	Additional Comments
HENR3V	Lab policy allows for analyst discretion, based upon training and experience, in the selection of screening tests performed. Therefore based on the case scenario, no semen testing was performed on the samples. Item 3 had an allele at D18 that was deemed inconclusive due a large imbalance. The imbalance maybe a result of a primer binding site mutation. Items 2 and 3 were tri-allelic at TPOX.
HKUMMV	Please note that the TPOX locus for items 2 and 3 is treated as a tri-allele
HNWLXN	The samples were amplified using the Identifiler and GlobalFiler kits. GlobalFiler results were reported. Identifiler results were identical to the GlobalFiler at all loci for all samples except items 2 and 3 at the D18S51 locus. Using the GlobalFiler kit, 13 and 16 alleles were detected. Using the Identifiler kit, only a 16 allele was detected.
HW3CFQ	Proficiency test used for serology purposes only.
J4JBLP	Results for Item 3 amplified with Identifiler were (16) at D18S51. Results were (16,18) at D18S51 for Item 3 when amplified with Minifiler. The discordance at this locus could be the result of a null allele. All other results for all other Items are concordant with both Identifiler and Minifiler.
JJ7XJ2	For items 2 and 3, a tri-allelic result was observed for TPOX for the autosomal STR results(9,10,11)
JMQPU4	Item 2 and Item 3 have a confirmed tri-allele at the TPOX locus in the Identifiler Plus and PowerPlex Fusion kits. Item 2 was amplified in the Identifiler Plus and PowerPlex Fusion kits, and Item 3 was amplified in the Identifiler Plus, PowerPlex Fusion, and MiniFiler kits. Results were concordant, with the exception of locus D18S51. Discordance was noted at locus D18S51 in the Identifiler Plus kit, likely due to a primer binding site mutation causing a null allele. The locus has been reported as 13,16 for locus D18S51, the genotype confirmed in two of the three kits. Item 2 and Item 3 are concordant in both the Identifiler Plus and PowerPlex Fusion kits. The MiniFiler and Identifiler Plus results were concordant for Item 4. The PowerPlex Fusion and Yfiler results were concordant for Item 2 and Item 3 (DYS391).
JMWUF8	Lab only test samples for semen in sexual assault cases. Samples are not routinely tested for saliva unless requested by law enforcement officers. The D18S51 locus gave discrepant results between PowerPlex® ESX17 kit and Identifiler kit for Item 2 and 3, which is likely due to primer site mutation. The reported genotype is 13,16.
JUUMN2	Items 2 and 3: TPOX = Tri-allele, D18S51 = Possible primer binding site mutation
KCTYX3	For Items 2 and 3 a tri-allelic genotype was detected at TPOX. For Items 2 and 3, an apparent partial null allele (13) was detected at D18S51. An obvious/significant peak height ratio difference was observed between the 13 allele and the 16 allele that was detected at this locus. The 16 allele peak height was also consistent with that of a heterozygous allele when compared to other heterozygous alleles vs. homozygous alleles in the profile. The genotype at D18S51 was reported as 13,16 because the 13 allele was reproducible in multiple injections of the same amplification, as well as multiple injections of a second amplification using a different genetic analyzer.
KLX4MX	Items 2 & 3: Triallelic pattern observed at TPOX Items 2 & 3: Partial null allele (13 allele) observed at D18S51 in multiple amplifications. Phr b/t alleles ~ 4%, 16 allele appears as if it could be a heterozygote.
KMRKAT	Tri-allelic pattern observed at TPOX for Item 2 and Item 3. A "13" observed at D18S51 was marked INC or inconclusive. Possible primer binding site mutation or low level contributor. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 6

WebCode	Additional Comments
LAGJ42	For Items 2 and 3: TPOX: a tri-allelic genotype was detected. D18S51: A 13,16 genotype was reported at this locus. The height of the 16 allele was consistent with other heterozygote peaks in the same dye channel. The height of the 13 allele was very small when compared to the height of the 16 allele, resulting in a very obvious/significant peak height difference. These results are consistent with the 13 allele being an apparent partial null allele. The same amplified samples for these two items were ran on two different genetic analyzers. In addition, the extracts from these two items were re-amplified and ran on one genetic analyzer. The results were reproducible between the amplifications and between the different genetic analyzers.
LCNYB8	Triallelic pattern observed in TPOX for suspect's blood(item 2) and victim's underwear (item3.)
LF6FF6	Trisomy found in TPOX (9, 10, 11) in Item 2 and Item 4.
LZF8TT	[From Table 2- Amplification Kit(s) & STR Results, Item 2, D18S51: "16 ID Plus, P Plus/13,16 Minifiler" and Item 3, D18S51: "16 ID Plus/13,16 Minifiler"]
M8BQBE	Possible allelic dropout/null allele (13) at D18S51 for items 2 and 3.
MDR9JF	Item 2 and Item 3 - Possible primer binding site mutation identified at D18. RFU values observed not as expected. Severely imbalanced. Not used in statistical calculations.
MFMQ6Q	An inconclusive allele was detected in Item 3 (amplified via ID+) at the D18S51 locus. Detected as a 13-allele at a reduced peak height relative to the other detected allele at the locus (16). This inconclusive allele may be deemed an allele affected by a primer binding site mutation or a low-level contributor. All controls yielded expected results and no other signs of a low-level contributor observed in other samples. A tri-allele genotype was detected at TPOX for Item 2 and Item 3. Laboratory policy allows for analyst discretion, based on training and experience, in the selection of screening tests being performed.
N79EVX	All serology testing (Blood, Semen, Saliva, Alternate Light Source) was performed by [Analyst Name]. [Analyst Initials] 06/03/2016
NDWQHE	Item 2: Tri Allele - TPOX (9, 10, 11) Null Allele - D18S51 (GFE - 13, 16) (ID - 16)
NELCWN	Tri-allele was observed at TPOX in both Item 2 and Item 3. An allele 13 was observed at D18S51 in Item 3. It was concluded as inconclusive (INC) due to a possible primer binding site mutation causing a severe hetero peak height imbalance or a low level contributor.
NXVEMF	Possible trisomy at TPOX in items 1.2 and 1.3. Items 1.2 and 1.3 were re-amplified for verification. This locus was dropped for statistics.
NYQWNG	A tri-allele pattern was visualized in Item 3 (stain from victim's underwear) and Item 2 (known blood from the male suspect).
P8LYN8	The suspect present a triallelic pattern on TPOX
PDRVAT	A triallelic STR pattern was detected at TPOX for items 2 and 3. In addition, a possible partial null allele was observed at D18S51 for items 2 and 3. These results were reproduced in two injections for each item.
PQCKXW	DYS391 was omitted from the PowerPlex Fusion reporting form for items 1-4. The alleles at this locus have been reported on the "Additional DNA" data sheet [Table 4] for items 1-4.
PQHYZH	Item 1 and Item 2 were tested with the GlobalFiler Express kit and the Identifiler Plus Kit. A 13 allele was obtained using GlobalFiler Express for Item 2 at the D18S51 locus whereas the Identifiler Plus kit did not detect this allele. The DNA interpretation made regarding the Suspect (Item 2) and the stain on the underwear (Item 3) was based on the Identifiler Plus results for both samples.

TABLE 6

WebCode	Additional Comments
QFNT8Y	In order to screen for the presence of semen, the serological PSA test was performed by [Laboratory] Forensics Serologist [Name]. This serologist was not undergoing a proficiency test at this time. Items 3 and 4 were negative for PSA so the samples were extracted non-differentially. When items 2 and 3 were typed with the Identifiler kit, drop-out of the 13 allele at D18S51 occurred. A low level peak was detected in both samples below the analytical threshold but above the baseline threshold. This discrepancy between kits is likely due to a mutation in the primer binding site of the Identifiler kit. A tri-allele for items 2 and 3 at TPOX was confirmed between the Identifiler and Fusion amplifications.
QK64DF	Tri-allele seen at TPOX for Item 2 and 3 (alleles 9,10,and 11)
RDF7YC	A possible primer binding site mutation was seen at the D18S51 locus for the profiles from Item 2 and Item 3. This appears to have caused only half of the expected DNA information to be present at this locus. For casework purposes, this locus was deemed inconclusive.
RGEGVC	Item 1.2 and Item 1.3 appear to be trisomic at the TPOX locus, where 3 alleles are called. Samples were re-amped to verify. Will not use locus for statistics.
RJ4Q3R	Item 3: Minor peak (13 allele) detected at D18, no other indication of a mixture, peak present below analytical threshold in reference sample (item 2). Possible genetic anomaly (partial null).
RQJLTU	At TPOX a tri-allele was confirmed Also, for samples K02 and Q03 at D18S51 i know that the type should be 13, 16 from the amp on PP16HS but with the ID and IDP kits the peak at 13 was significantly lower than the 16 and sometimes dropping out.
RRXYLX	Items 3 and 4 were not screened for the presence of semen or saliva as the laboratory only tests for semen in sexual assault cases; the lab also does not routinely test for saliva unless requested for by the investigative officer. For the suspect's profile (Item 2 and Item 3), the alleles detected at locus D18S51 by the Identifiler kits (Identifiler Direct & Identifiler Plus) were discordant from the alleles detected by the PowerPlex kit (ESX17). The Identifiler detected genotype was 16,16 while the PowerPlex detected genotype was 13,16. It is likely that the 13 allele was not detected by the Identifiler kits because of a possible primer site mutation. The genotype that is reported is 13,16.
RU4EWA	The Suspect is a 13,16 at D18S51 while the evidence, Item 3, only has the 16 allele. All other alleles, including the tri-allele pattern at TPOX are exact matches between the two. The evidence profile was amplified twice to confirm the tri-allele pattern, and the 13 allele was not detected in either amplification. The Item 3 evidence profile was amplified with Identifiler while the Suspect, Item 2, was amplified with GlobalFiler Express. The GF-E kit contains the same primers as the Identifiler kit except that there are additional SNP-specific primers at several loci including D18S51. This indicates that the 13 allele is a null allele in the Identifiler amplification.
T6FX2Y	Trisomy on TPOX was seen on Items 2 and 3.
TC79CM	3-1s- DNA was detected at a level below our reliable limit of our quantitation system; therefore it was not processed further. Tri-allele was detected at TPOX for items 2-1 and 3-1e.
TNUM33	Discordance allele type at locus D18. Platform: 3130-4 capillaries. Item #2: Identifiler Plus 16,16 (298.86 bp); Item #3: Identifiler Plus 16,16 (298.94 bp); minor allele 13: (286.52 bp) 5%, -indistinguishable from baseline noise. Item #2: Powerplex 18D 13,16.
TVYCV9	Peak 13 was called on Item 3, at locus D18S51 that due to significant peak height imbalance and the possibility of a primer binding site mutation was determined to be inconclusive and the locus was not used for comparison or statistics. In the original amplification of Item 2 a 13 peak at locus D18S51 was called that similarly displayed significant peak height imbalance and the possibility of primer binding site mutation, however upon re-amplification of the sample the 13 peak was not reproduced. An apparent tri-allele was observed at TPOX for Items 2 and 3.
U378CV	PSA testing was done to determine whether items 3 and 4 should be extracted Differential or Non-Differential, the results were negative for both items.

TABLE 6

WebCode	Additional Comments
UFHN9R	The MiniFiler data is concordant with the Identifiler Plus data at the loci they have in common for all samples except for Item 3. For Item 3, when amplified with Identifiler Plus, only a 16 allele (3232 RFU's) was detected at D18S51 with a small peak below threshold (<150 RFU's) in the position of a 13 allele. The same extract was amplified with MiniFiler and at D18S51 a well balanced 13,16 was detected indicating a possible primer binding site mutation resulting in a partial null allele in the Identifiler Plus data. When the results from the Identifiler Plus data and the MiniFiler data are combined for Item 3 the resulting profile matches the profile obtained for reference Item 2.
UMHXPB	A balanced triallelic profile is noted at TPOX for the Item-2 reference and Item-3 forensic sample. INC= inconclusive allele observed at D18 for Item-3 and Item-2 reference when the ID Plus amplification kit is used. This is a possible primer binding site mutation or possibly DNA not attributable to the profile. There are no other indications of a mixture in either of these profiles. The INC allele at 13 is not attributable to pull-up, amplification artifact, or kit artifact. Observation of peak heights within the two profiles suggest the D18 16 allele RFU is more consistent with a heterozygous peak than with a homozygous peak. There are no indications of a D18 13 allele in the Item-2 reference profile when the ID Direct amplification kit is used. The Item-2 profile amplified using the ID Plus typing kit is the profile reported to CTS in this proficiency test.
V3TYE	Laboratory policy allows for analyst discretion, based on training and experience, in the selection of screening tests being performed. There was an inconclusive allele in Item 3. Was given this call due to a possible primer site mutation given the peak imbalance at that location as compared to the rest of the profile. A Tri-allelic pattern was observed at TPOX for Item 2 and Item 3.
VB2TU7	A peak at the 13 position of the D18 locus was detected for Items 2 and 3. It was only reproducible upon re-amplification for Item 3. It appears to be inherent to this specific male profile from this test. It is inconclusive if this peak is a possible allele where a primer binding site mutation is causing severe peak height imbalance or if it is some other genetic anomaly. It was considered inconclusive for reporting purposes.
VHYGER	Tri-allele at TPOX and null allele at D18 seen in Ident Plus only for Items 2 and 3 were confirmed with Fusion. Data concordant for all overlapping loci for Ident Plus, Minifiler and Fusion kits.
VNRCLQ	For item 3 and item 2 at TPOX, 3 even alleles were observed and at the D18 locus there appears to be a primer binding mutation resulting in a shorter peak at the 13 allele position.
VW223A	Items 2 and 3 both contain an apparent well balanced tri-allele pattern (9,10,11)at TPOX.
W2RLRC	It's worth noting that a low level "13" allele at D18S51 was detected in both items 2 and 3. This DNA type was deleted as an artifact because there was no sign of a mixture in both these items. Additionally, the "16" homozygote at D18S51 in both these items is about half the RFU of the other homozygote peaks in these DNA profiles. This could indicate a mutation in the "13" allele causing an amplification issue.
W4QXCQ	There is a tri-allele at TPOX in items 2 and 3. -[Analyst Initials] 6/16/2016
WBFLY9	possible tri-allelic locus (TPOX) observed in profiles developed from items 2 and 3
WCA3JH	[From Table 2- Amplification Kit(s) & STR Results, Items 2 & 3, D18S51: "**MF result gave 13,16"]
WEVWCC	Items 3 and 4 were amplified with both Identifiler and Minifiler. In item 3, at D18 there is an apparent null allele with Identifiler (ID: 16; MF: 13,16). All other ID & MF results are concordant.
WLCGBH	Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1
X32ZQ6	A tri-allelic pattern (9,10,11) was observed at TPOX in Item 2 and Item 3.

TABLE 6

WebCode	Additional Comments
XA2CUE	Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed. Known Item 2 was determined to be tri-allelic at the TPOX locus. The tri-allele was also observed in the questioned item 3.
XRHNC8	It was determined during the examinations that 1.2 and 1.3 contained a tri-allele at TPOX
XTW6FD	For samples -2 and -3. These two samples are consistent with originating from the same source. Locus TPOX is tri-allelic for both samples. Sample -3 at D18S51 is called INC,16. There is a possible 13 allele at this locus. The balance of the two alleles is 11%. Overall there is an indication of a possible primer binding site mutation. The 13 is deemed inconclusive. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests performed.
Y8RKF7	Assault cases are screened in the Forensic Biology Unit prior to being processed in the DNA Unit. Samples #3, #4 were tested and the following results were generated: #3: Blood-positive (KM, O-tol, RSID-blood, HemaTrace) #4: Blood-positive (KM, O-tol, RSID-blood, HemaTrace) Analyst conducted KM screening test on samples #3 and #4, #3 and #4: KM+. MiniFiler results are concordant with ID Plus. Additional allele called in MiniFiler for samples as follows: #2: 13 at D18S51, #3: 13 at D18S51.
Y9HU4E	Tri-allele pattern at TPOX in items 2 and 3.
YDVRJN	Tri-allele at TPOX was confirmed as per our laboratory methods (re-amplification). [Analyst Initials] 5/23/2016
YGH6K6	In sample #2 - non-concordance noted @ D18S51 locus. Identifier Plus profile only has 16 allele detected. In MiniFiler profile both a 13 and 16 alleles are detected.
YMG2J	Tri allelic @ TPOX detected in samples 2 and 3.
YXK8X3	Items 2 & 3 (matched each other) contained an apparent tri-allele at TPOX, which may be an actual tri-allele or an off ladder allele from D18 because D18 had a single peak ("16") in which the peak height was indicative of a heterozygous peak, not a homozygous peak. This apparent tri-allele was verified through re-injection and re-amplification for both samples. The profile for Item 3 exhibited a peak below threshold at D18 in a "13" position that was not called, i.e. was not above threshold; however, Item 2 was a known sample, and it did have the "13" (low RFU value compared to called "16") called at D18. This "13" at D18 could be a primer binding site mutation in which the "13" is actually the sister allele to the called "16", but is stunted due to the mutation. Given the tri-allele at TPOX and apparent anomaly at D18, which wasn't detected in one sample (Item 3), but was in another (Item 2), TPOX and D18 were deemed inconclusive. The "13" exhibited in Item 2 was not conclusive as being an allele, artifact, or other anomaly, thus it was not put on the allele table.
Z7A2MK	n/t = not tested. Item #2 - Reproducible tri-allele obtained at TPOX. Reproducible possible primer binding site mutation obtained at D18S51. Item #3 - Reproducible tri-allele obtained at TPOX. Reproducible possible primer binding site mutation obtained at D18S51.
ZQG8DE	Trisomy was present at TPOX on items 2 and 3.
ZTHNXN	For item 2, there is a severe peak height imbalance of 2.8% at D18S51 for alleles 13 and 16 in the ID+ data. These alleles are balanced sister alleles in the PP16HS data. For item 3, there is a discrepancy noticed between the ID+ and the PP16HS data. PP16HS has loci D18S51 with the alleles 13,16 while it appears to be homozygous for allele 16 in the ID+ data. This is due to the same extreme PHR imbalance seen with ID+ in the item 2 profile. This is possibly due to a primer binding site mutation.

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 16-573: Forensic Biology

DATA MUST BE RECEIVED BY June 20, 2016 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

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

Scenario:

Police are investigating a violent assault between two males. According to the statements made by the male victim, while dressed in female clothing he was approached by the male suspect at a bar. Upon leaving the bar and arriving at the male suspect's residence, the victim and the suspect were on the couch in only their underwear when the suspect discovered that the victim was a male. The suspect then punched the victim in the nose, causing it to bleed, while the victim defended himself by scratching the hands and arms of the suspect. The victim stated that the suspect landed several more punches to the torso, back, and pelvis of the victim before the victim was able to break free and flee the apartment. Upon seeking medical treatment, red stains were noted on the outer rear of the victim's underwear that did not appear consistent with any of the victim's wounds. After the police responded to the incident scene, the suspect denied ever meeting the victim and claimed the scratches on his hands and arms were from a cat. The search of the apartment found a red stain on the brown couch. Investigators are submitting the stain from the victim's underwear (Item 3) and the stain from the suspect's couch (Item 4) for analysis. Also submitted are blood samples from the male victim and the male suspect.

Items Submitted (Sample Pack B3):

- Item 1: Known blood from the male victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned stain from the victim's underwear (animal print material)
- Item 4: Questioned stain from the suspect's couch (brown 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		Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Please indicate the Test(s) Performed on the corresponding line for each type of screening.	Item 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
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

Part 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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

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

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

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

Yfiler® _____ PowerPlex® Y _____

Other _____

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

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

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

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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

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

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

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

Yfiler® _____ PowerPlex® Y _____

Other _____

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

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

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

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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

<input type="checkbox"/> COfiler®/Profiler Plus® _____	<input type="checkbox"/> PowerPlex® _____
<input type="checkbox"/> Identifiler® _____	<input type="checkbox"/> Other _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820
3						
ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
3						
ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
3						
ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
3						

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

<input type="checkbox"/> Yfiler® _____	<input type="checkbox"/> PowerPlex® Y _____
<input type="checkbox"/> Other _____	

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3								
ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
3								
ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel	
3								

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 only additional kit specific information in the blank provided (i.e. 16, Direct, etc.).

COfiler®/Profiler Plus® _____ PowerPlex® _____

Identifiler® _____ Other _____

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

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

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

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

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

Yfiler® _____ PowerPlex® Y _____

Other _____

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

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

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

Please return all pages of this data sheet.

Part 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 *June 20, 2016* to be included in the report. Emailed data sheets are not accepted.

QUESTION? TEL: +1-571-434-1925 (8 am - 4:30 pm EST)
EMAIL: forensics@cts-interlab.com
www.ctsforensics.com

ONLINE DATA ENTRY: www.cts-portal.com
FAX: +1-571-434-1937
MAIL: Collaborative Testing Services, Inc.
P.O. Box 650820
Sterling, VA 20165-0820 USA

Please return all pages of this data sheet.

Collaborative Testing Services ~ Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **16-573: Forensic Biology**

This release page must be completed and received by **June 20, 2016** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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

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

ASCLD/LAB Certificate No. _____

ANAB Certificate No. _____

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release

Return Instructions

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

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

Please return all pages of this data sheet.

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