



## **Forensic Biology Test No. 14-576 Summary Report**

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This proficiency test was sent to 420 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 334 participants (80% 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, plaid material (Item 3) and one on clean, yellow and grey patterned material (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains in Items 1, 2 and 3 were prepared from human whole blood which was either drawn into citric acid preservative bloodbank bags or EDTA tubes. Item 4 was a mixture prepared from human whole blood and semen. The semen, procured from a cryobank, was from a single donor, but stored frozen in multiple vials at -196°C in liquid nitrogen tanks. The semen was thawed and first mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. This mixture was used to spot the Item 4 substrate. Items 1 (75 µl) and 3 (50 µl) were created with blood collected from the same female donor and Item 2 (75 µl) was created with blood collected from a male donor. The Item 4 (50 µl) mixture contained the blood from the Item 1 female donor and semen from the Item 2 male donor. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 14, 2014 following receipt of predistribution results.

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

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

## Manufacturer's Information, continued

<i>Amelogenin and STR Results</i>						
<i>Results compiled by predistribution laboratories and a consensus of at least 10 participants.</i>						
	<b>D1S1656</b>	<b>D2S1338</b>	<b>D2S441</b>	<b>D3S1358</b>	<b>D5S818</b>	<b>D7S820</b>
	<b>D8S1179</b>	<b>D10S1248</b>	<b>D12S391</b>	<b>D13S317</b>	<b>D16S539</b>	<b>D18S51</b>
	<b>D19S433</b>	<b>D21S11</b>	<b>D22S1045</b>	<b>Amelogenin</b>	<b>CSF1PO</b>	<b>FGA</b>
	<b>Penta D</b>	<b>Penta E</b>	<b>SE33</b>	<b>TH01</b>	<b>TPOX</b>	<b>vWA</b>
1	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14	14,15	17,23	12,13	9,12	13,14
	13,15	29,29	15,16	X,X	11,11	23,23
	10,11	7,8	*	9,9.3	9,10	16,17
2	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15	*	9,10	8,11	14,17
3	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14	14,15	17,23	12,13	9,12	13,14
	13,15	29,29	15,16	X,X	11,11	23,23
	10,11	7,8	*	9,9.3	9,10	16,17
4-Blood	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14	14,15	17,23	12,13	9,12	13,14
	13,15	29,29	15,16	X,X	11,11	23,23
	10,11	7,8	*	9,9.3	9,10	16,17
4-Semen	11,15	23,25	11,14	15,16	11,12	9,11
	11,16	12,15	19,22	8,12	12,12	15,17
	15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15	*	9,10	8,11	14,17

<i>YSTR Results</i>								
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>								
	<b>DYS19</b>	<b>DYS385</b>	<b>DYS389-I</b>	<b>DYS389-II</b>	<b>DYS390</b>	<b>DYS391</b>	<b>DYS392</b>	<b>DYS393</b>
	<b>DYS437</b>	<b>DYS438</b>	<b>DYS439</b>	<b>DYS448</b>	<b>DYS456</b>	<b>DYS458</b>	<b>DYS481</b>	<b>DYS533</b>
	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS635</b>	<b>DYS643</b>	<b>Y GATA H4</b>	<b>Y Indel</b>	
2	14	11,13	13	29	24	11	14	13
	15	12	13	18	16	17	24	13
	12	17	18	23	10	12	*	
4-Semen	14	11,13	13	29	24	11	14	13
	15	12	13	18	16	17	24	13
	12	17	18	23	10	12	*	

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

# Summary Comments

The 14-576 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 3 were created with blood collected from the same female donor and Item 2 was created with blood collected from a male donor. The Item 4 mixture contained the blood from the Item 1 female donor and semen from the Item 2 male donor. (See Manufacturer's Information for preparation details)

Data were returned by a total of 334 participants, 327 of whom reported DNA results. The remaining 7 participants reported only screening results.

## Screening Test Results

For Item 3, all 310 participants that reported results for blood were positive. All 279 participants that reported results for semen were negative. There were 83 participants that were negative for saliva and two that were inconclusive.

For Item 4, all 310 participants that reported results for blood were positive. There were 296 participants that reported positive results for semen and one that was negative. All 98 responding participants were negative for saliva.

## DNA Analysis Results

Of the 327 participants reporting DNA results, 9 did not report interpretations. All of these participants stated that they analyzed the samples for database purposes only.

For the Item 3 stain, all 318 participants included the victim (Item 1) as a possible contributor. There were 315 participants that excluded the suspect (Item 2) as a possible contributor to the Item 3 stain and one that was inconclusive. For the Item 4 mixture, there were 314 participants that included the victim (Item 1) and three that excluded the victim (Item 1) as a possible contributor. There were 317 participants that included the suspect (Item 2) as a possible contributor to the Item 4 mixture and one that was inconclusive.

Twenty-nine participants reported allelic results that differed from the consensus/predistribution testing results. Twenty participants were missing alleles at one or more loci. Five participants reported additional alleles at one or more loci. Three participants reported inconsistent alleles at one or more loci. One participant reported inconsistent alleles at one or more loci and additional alleles at other loci. One participant reported additional alleles at one or more loci and were missing alleles at other loci.

*Release Date of Summary Report: 12-February-2015*

## Key for Screening Tests Used

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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 benzidin	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
24GJUZ				
Item 3	Pos KM	Neg BCIP	NT	
Item 4	Pos KM	Pos BCIP, p30, Micro	Neg Phadebas	
24JA6P				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Microscopy	NT	
2B86MR				
Item 3	Pos KM	Neg AP,ALS	NT	
Item 4	Pos KM	Pos ALS,AP,Micro,PSA	NT	
2ECWRB				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, PSA, Micro	NT	
2F6TBD				
Item 3	Pos KM	Neg AP, Micro for sperm	Neg ARD, Micro for e-cells	
Item 4	Pos KM	Pos AP, Micro for sperm	Neg ARD, Micro for e-cells	
2GKUF2				
Item 3	Pos LMG	Neg AP	Neg RSID Saliva	
Item 4	Pos LMG	Pos AP, PSA	Neg RSID Saliva	
2GZD2J				
Item 3	Pos LMG, ALS, Species (α-HuHb)	Neg AP, PSA, Micro	NT	
Item 4	Pos LMG, ALS, Species (α-HuHb)	Pos AP, PSA, Micro	NT	
2HA69E				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, and PSA	NT	
2JCWD3				
Item 3	Pos KM, O-tol, RSID-Blood, HemaTrace	Neg Micro (CT stain), p30, *	Neg Phadebas	Urine, Neg RSID-Urine
Item 4	Pos KM, O-tol, RSID-Blood, HemaTrace	Pos AP, Micro (CT Stain, SH* stain), p30	Neg Phadebas	Urine, Neg RSID-Urine
2KYPXJ				
Item 3	Pos LMG	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos LMG	Pos ALS, AP, PSA, Micro	NT	

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
2NM4NE				
Item 3	Pos KM	Neg AP, ALS, p30, Micro	NT	
Item 4	Pos KM	Pos ALS, AP, p30, Micro	NT	
2U938Z				
Item 3	Pos Hemident, HemaTrace	Neg ABACard p30, Micro	NT	
Item 4	Pos Hemident, HemaTrace	Pos ABACard p30, Micro	NT	
2UVD79				
Item 3	Pos KM, Takayama	Neg AP, Micro, p30	Neg Amylase radial diffusion	
Item 4	Pos KM, Takayama	Pos AP, Micro	Neg Amylase radial diffusion	
2ZB9UQ				
Item 3	Pos KM	Neg AP, MICRO	NT	
Item 4	Pos KM	Pos AP, MICRO	NT	
32Y23E				
Item 3	NT	Neg micro, PSA	NT	
Item 4	NT	Pos micro	NT	
39H9JJ				
Item 3	Pos O-tol	Neg ALS, AP, Micro, p30	Neg Amylase diffusion	
Item 4	Pos O-tol	Pos ALS, AP, Micro, p30	Neg Amylase diffusion	
39YL4A				
Item 3	Pos KM	Neg ALS, AP	NT	Human Origin, Plexor HY Pos
Item 4	Pos KM	Pos ALS, AP, Micro, PSA	NT	Human Origin, Plexor HY Pos
3BB4FR				
Item 3	Pos TMB, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos TMB, HemaTrace	Pos AP, Micro	Neg RSID	
3EUYHK				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
3J8282				
Item 3	Pos KM, [RSID-blood]	[Neg] [Micro, P30, AP-inconclusive]	NT	[Feces], [Neg] [Urobilinogen]
Item 4	Pos KM, [RSID-blood]	[Pos] [AP, Micro, p30]	NT	[Urine], [Neg] [RSID-Urine]
3UPHXM				
Item 3	Pos KM, ABACard	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard	Pos AP, PSA	Neg Phadebas Press	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
48AH4F					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
49K8MR					
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT		
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA, KPIC	NT		
4J32K7					
Item 3	Pos PPTH, O-tol, ALS, red brown color	Neg AP, Micro	NT		
Item 4	Pos PPTH, O-tol, ALS, red brown color	Pos AP (neg), Micro (Pos)	NT		
4NHCXA					
Item 3	Pos LMG	Neg AP	NT		
Item 4	Pos LMG	Pos AP, Micro	NT		
4WARKT					
Item 3	Pos TMB, HemaTrace	Neg AP, PSA	Neg RSID Saliva		
Item 4	Pos TMB, HemaTrace	Pos AP, Micro	Neg RSID Saliva		
4XWK6B					
Item 3	Pos KM, HemaTrace	Neg AP, PSA	NT		
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT		
63ZYYQ					
Item 3	Pos KM, HemaTrace	NT	NT		
Item 4	Pos KM, HemaTrace	NT	NT		
64YVUF					
Item 3	Pos LMG, HemaTrace	Neg AP, PSA	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, PSA	NT		
68JZ96					
Item 3	Pos KM	Neg AP	NT	Human, Pos Plexor HY	
Item 4	Pos KM	Pos AP, Micro	Neg RSID	Human, Pos Plexor HY	
69F3RF					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
6BLP6K					
Item 3	Pos KM, ABACard	Neg AP	Neg Phadebas Press Test		
Item 4	Pos KM, ABACard	Pos AP, PSA	Neg Phadebas Press Test		



TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
6ELUM7					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
6H8FTZ					
Item 3	Pos KM, Hb	Neg AP	NT		
Item 4	Pos KM, Hb	Pos AP, Micro, PSA	NT		
6JBJVX					
Item 3	Pos Hstix, luminol	NT	NT		
Item 4	Pos Hstix, luminol	Pos Brentamine	NT		
6KAKYU					
Item 3	Pos KM	Neg ALS, AP, Micro	Neg ALS, Phadebas	Human DNA, Pos Quantifiler Duo	
Item 4	Pos KM	Pos ALS, AP, Micro	Neg ALS, Phadebas	Human DNA, Pos Quantifiler Duo	
6Q2QYP					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM, HemaTrace	Pos AP, Micro, RSID-Semen, ALS	NT		
6VNRP3					
Item 3	Pos LMG	Neg AP	NT	Human Blood, HemaTrace Pos	
Item 4	Pos LMG	Pos PSA, Micro, AP	NT	Human Blood, HemaTrace Pos	
6WHKGE					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
736KGR					
Item 3	Pos KM	Neg AP, Micro	Neg Amylase Radial Diffusion		
Item 4	Pos KM	Pos AP, Micro	Neg Amylase Radial Diffusion		
78J4UT					
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas		
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas		
7DM997					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
7LFE7D					
Item 3	Pos KM, Takayama, HemaTrace	Neg AP	Neg RSID Saliva	Human Origin, Plexor HY Pos	
Item 4	Pos KM, Takayama	Pos AP, PSA, Micro	Neg RSID Saliva	Human Origin, Plexor HY Pos	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
7QAKUF				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
7QNZUB				
Item 3	Pos HemDirect	Neg AP, PSA, Micro, Semenolgenin	Neg Amylase Immunochromatographic	
Item 4	Pos HemDirect	Pos AP, PSA, Micro, Semenolgenin	Neg Amylase Immunochromatographic	
7ZCWVB				
Item 3	Pos KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos Plexor HY, HemaTrace
Item 4	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID	Human Origin, Pos Plexor HY
87KEU4				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
893MQH				
Item 3	Pos human hemoglobin (hHb)	Neg p30	Neg amylase	
Item 4	Pos human hemoglobin (hHb)	Pos p30	Neg amylase	
8B6NRF				
Item 3	Pos KM, HEMATRACE	NT	NT	
Item 4	Pos KM, HEMATRACE	NT	NT	
8BFAL4				
Item 3	Pos KM, Takayama, Micro	Neg AP, Micro, p30	Neg Amylase diffusion gel	
Item 4	Pos KM, Takayama, Micro	Pos AP, Micro, p30	Neg Amylase diffusion gel	
8CRWC6				
Item 3	Pos KM	Neg AP Overlay	NT	
Item 4	Pos KM	Pos AP Overlay, PSA, Micro	NT	
8ERCFM				
Item 3	Pos PTMB	Neg AP	NT	Human origin, QF Pos
Item 4	Pos PTMB	Pos AP, Micro	NT	Human origin, QF Pos
8ETZ4R				
Item 3	Pos KM	Neg AP, Micro, ALS	Neg Phadebas	Human DNA detected, Pos Quantifiler Duo
Item 4	Pos KM	Pos AP, Micro, ALS	Neg Phadebas	Human DNA detected, Pos Quantifiler Duo

TABLE 1

		Fluid ID				
Webcode	Blood	Semen	Saliva	Other		
8EZ4KP						
Item 3	Pos TMB, HemaTrace	Neg AP, p30	NT			
Item 4	Pos TMB, HemaTrace	Pos AP, H&E	NT			
8G6UR6						
Item 3	Pos LMG	Neg AP	NT			
Item 4	Pos LMG	Pos AP, Micro	NT			
8JTBYR						
Item 3	Pos KM, HemaTrace	Neg BCIP	Neg Phadebus[sic]			
Item 4	Pos KM, HemaTrace	Pos BCIP, PSA, Micro	Neg Phadebas			
8NYXM2						
Item 3	Pos KM; HemaTrace	Neg ALS; AP; Micro	NT			
Item 4	Pos KM; HemaTrace	Pos ALS; AP; Micro	NT			
8QJUJT						
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID	male DNA, Neg	Y-screening	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg RSID	make[sic] DNA,	Y-screening	Pos
8VKTW7						
Item 3	Pos O-tol	Neg AP	NT			
Item 4	Pos O-tol	Pos AP, PSA, Micro	Neg amylase			
8ZQKQB						
Item 3	Pos LMG	Neg SM, PSA	NT			
Item 4	Pos LMG	Pos SM, PSA	NT			
9ALNVX						
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas			
Item 4	Pos KM, Hematrace	Pos AP, PSA, Micro	Neg Phadebas			
9AYDWP						
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas			
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas			
9CPJE2						
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID			
Item 4	Pos O-tol	Pos AP, Micro	Neg RSID			
9F2JGU						
Item 3	Pos O-tol	Neg AP	NT			
Item 4	Pos O-tol	Pos AP, Micro	NT			

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
9JMFTQ				
Item 3	Pos KM, HemaTrace	Neg BCIP	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos BCIP, Micro, PSA	Neg Phadebas	
9M8288				
Item 3	Pos LMG	Neg AP		
Item 4	Pos LMG	Pos AP, Micro		
9PFB2Q				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
9QEYUT				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID-Saliva	Male DNA, Neg Y-screening
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg RSID-Saliva	Male DNA, Pos Y-screening
9RDT3Y				
Item 3	Pos KM, ABA card	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABA card	Pos AP, PSA	Neg Phadebas Press	
9RDVPH				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
9RWPCD				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro, ALS	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro, ALS	NT	
9WLENB				
Item 3	Pos LMG	Neg PSA	NT	
Item 4	Pos LMG	Pos PSA		
9X7W8N				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
A2Z8LV				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Pos AP		
A3CU6V				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	Pos Abacard p30, Micro	NT	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
A47R8A					
Item 3	Pos KM, Takayama, HemaTrace	Neg AP	Neg RSID	Human, Pos	HemaTrace, Plexor HY
Item 4	Pos KM, Takayama	Pos AP, Micro, p30	Neg RSID	Human, Pos	Plexor HY
A47RAV					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM, HemaTrace	Pos AP, Micro	NT		
AA9RFQ					
Item 3	Pos Hemastix				
Item 4	Pos Hemastix	Pos AP (Brentamine)			
ABM3MW					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM, HemaTrace	Pos AP, Micro	NT		
AJVWE4					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
AJWUPY					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT		
AKPP92					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
AMFNQ7					
Item 3	Pos HemDirect	Neg RSID, PSA, Micro, ALS, AP	Neg RSID		
Item 4	Pos HemDirect	Pos RSID, PSA, Micro, ALS, AP	Neg RSID		
ANBETE					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
APJJA9					
Item 3	Pos KM, HemaTrace	Neg AP	NT		
Item 4	Pos KM	Pos Micro, PSA, AP	Neg RSID		
AUG8MA					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		

TABLE 1

		Fluid ID		
Webcode	Blood	Semen	Saliva	Other
AV6QGF				
Item 3	Pos TMB	Neg Micro	NT	
Item 4	Pos TMB	Pos ALS, Micro	NT	
AWLQRW				
Item 3	Pos KM, HT	Neg AP	NT	
Item 4	Pos KM, HT	Pos AP, Micro	NT	
AWTMRW				
Item 3	Pos KM, RISD-Blood	Neg *INC AP, Microscopic (CT), p30	NT	Feces, Neg Urobilinogen
Item 4	Pos KM, RSID-Blood	Pos AP, Microscopic (CT, SH), p30	NT	Urine, Neg RSID-Urine
AYUR6G				
Item 3	Pos KM, HEMDIRECT	Neg AP, PSA	NT	
Item 4	Pos KM, HEMDIRECT	Pos AP, PSA, MICRO	NT	
B34L67				
Item 3	Pos Hemdirect	Neg ALS, AP, PSA, Micro, RSID	Neg RSID	
Item 4	Pos Hemdirect	Pos ALS, AP, PSA, Micro, RSID	Neg RSID	
B74RNH				
Item 3	Pos LMG, Ouchterlony (anti-HuHb)	Neg AP, PSA, Micro	Neg Amylase	
Item 4	Pos LMG, Ouchterlony (anti-HuHb)	Pos AP, PSA, Micro	Neg Amylase	
B77BVU				
Item 3	Pos O-tol	Neg AP	Neg Phadebas	
Item 4	Pos O-tol	Pos AP, Micro	Neg Phadebas	
B7AR4Z				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
BBD2ME				
Item 3	Pos TMB, Takayama	Neg AP, Micro	NT	
Item 4	Pos TMB, Takayama	Pos AP, Micro	NT	
BJZKNU				
Item 3	Pos KM, HB	Neg AP	NT	
Item 4	Pos KM, HB	Pos AP, Micro, PSA	NT	
BN86HT				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Pos AP, Micro, PSA		

TABLE 1

Fluid ID					
Webcode	Blood	Semen	Saliva	Other	
BR8F82					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
BXWWWY					
Item 3	Pos KM, Takayama	Neg AP, Micro, p30	Inc Amylase radial diffusion		
Item 4	Pos KM, Takayama	Pos AP, Micro, p30	Neg Amylase radial diffusion		
C6B39V					
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID	Neg ALS	
Item 4	Pos O-tol	Pos AP, Micro	Neg RSID	Neg ALS	
C8FQG7					
Item 3	Pos KM, Takayama, HT	Neg AP	NT	Human Origin, HT, PlexorHY Pos	
Item 4	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID	Human Origin, PlexorHY Pos	
CBXRT7					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
CBYRQK					
Item 3	Pos Hemastix, HemaTrace	NT	NT		
Item 4	Pos Hemastix	Pos AP, PSA, H&E	NT		
CDHRPM					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP	NT		
CEED4Z					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
CJ7CUN					
Item 3	Pos H/Stix test, luminol test	NT	NT	possible hair, Neg Visual observation	
Item 4	Pos H/Stix test, luminol test	Pos Brentamine test	NT	possible hair, Neg visual observation	
CJA3V6					
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro	NT		
CJTVW3					
Item 3	Pos LMG	Neg AP			
Item 4	Pos LMG	Pos AP, Micro			

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
CLGB6P				
Item 3	Pos KM	Neg BCIP	NT	
Item 4	Pos KM	Pos BCIP, PSA, Micro	NT	
CXF6J8				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
CZDKXW				
Item 3	Pos KM, Hemetrace[sic]	Neg ALS, AP, and Micro	NT	
Item 4	Pos KM, Hemetrace[sic]	Pos ALS, AP, and Micro	NT	
CZHUVF				
Item 3	Pos KM, HemaTrace	Neg AP, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, Micro	Neg Phadebas	
DADG9D				
Item 3	Pos PTMB	Neg AP	NT	
Item 4	Pos PTMB	Pos AP; Micro	NT	
DDND2M				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
DQ6DMF				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, p30	NT	
E73RLN				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA	NT	
E7G7W4				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Micro		
E98DFF				
Item 3	Pos TMB	Neg AP	NT	
Item 4	Pos TMB	Pos AP, Micro	NT	
E9XR9X				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	



TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
ELCNNM				
Item 3	Pos KM, RSID-Blood	Neg Micro (CT), p30, AP (Inc)	NT	Feces, Neg Urobilinogen
Item 4	Pos KM, RSID-Blood	Pos AP, Micro (CT, SH), p30	NT	Urine, Neg RSID-Urine
ELK2V4				
Item 3	Pos LMG	Neg PSA		
Item 4	Pos LMG	Pos PSA		
ENWGP4				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Saligae	Inc ALS
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Saligae	Pos ALS
EXGUH9				
Item 3	Pos KM, HemeTrace[sic] (HT)	NT	NT	
Item 4	Pos KM, HT	NT	NT	
F3EG4A				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
F4YM7D				
Item 3	NT	NT	NT	
Item 4	NT	NT	NT	
FQYRZX				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
FRRHC6				
Item 3	Pos LMG	Neg AP, Micro, PSA	NT	
Item 4	Pos LMG	Pos AP, Micro, PSA	NT	
FW92DL				
Item 3	Pos Phenolphthalein	Neg BCIP	Neg Phadebas	
Item 4	Pos Phenolphthalein	Pos BCIP, p30, Micro	Neg Phadebas	
FWAQNB				
Item 3	Pos KM, Hem Direct	Neg AP, ALS, Micro, PSA	NT	
Item 4	Pos KM, Hem Direct	Pos AP, ALS, Micro, PSA	NT	
FWP62L				
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos LMG	Pos AP, PSA	Neg RSID-Saliva	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
GAA7VX					
Item 3	Pos Hemdirect	Neg AP, PSA, Semenogelin, Micro	Neg Amylase		
Item 4	Pos Hemdirect	Pos AP, PSA, Semenogelin, Micro	Neg Amylase		
GCFDPC					
Item 3	Pos O-tol	NT	NT	Human blood, HemaTrace Pos	
Item 4	Pos O-tol	Pos AP, Micro	NT	Human blood, HemaTrace Pos	
GCR79T					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
GDB3QK					
Item 3	Pos KM	Neg BCIP	NT	Blood, Pos Hematrace	
Item 4	Pos KM	Pos BCIP, Micro	NT	Blood, Pos Hematrace	
GG64L8					
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT		
Item 4	Pos Hemastix, HemaTrace	Pos AP, PSA, Micro	NT		
GGEQC2					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
GJFYBK					
Item 3	Pos KM	Neg BCIP	NT		
Item 4	Pos KM	Pos BCIP, p30, Micro	NT		
GJGPK9					
Item 3	Pos KM, HemDirect	Neg ALS, AP, PSA	NT		
Item 4	Pos KM, HemDirect	Pos ALS, AP, PSA, Micro	NT		
GLMABU					
Item 3	Pos KM, Takayama	Neg AP, Micro, p30	Neg amylase radial diffusion		
Item 4	Pos KM, Takayama	Pos AP, Micro	Neg amylase radial diffusion		
GQG7XZ					
Item 3	Pos KM	Neg AP	Neg Amylase Radial Diffusion		
Item 4	Pos KM	Pos AP, Micro	Neg Amylase Radial Diffusion		
GRNMXQ					
Item 3	Pos KM, HemaTrace	Neg ALS, AP, Micro	NT		
Item 4	Pos KM, HemaTrace	Pos ALS, AP, Micro	NT		

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
GUEQ3J					
Item 3	Pos Hemident, HemaTrace	Neg	ABAcad P30, Micro	NT	
Item 4	Pos Hemident, HemaTrace	Pos	ABAcad P30, Micro	NT	
GUZ9YD					
Item 3	Pos LMG, HemaTrace	NT		NT	
Item 4	Pos LMG, HemaTrace	Pos	AP, p30, KPIC, micro		
GV9BTP					
Item 3	Pos KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos KM, HemaTrace	Pos	AP, PSA, Micro	Neg	Phadebas
H7PBUQ					
Item 3	Pos KM	Neg	AP	NT	
Item 4	Pos KM	Pos	AP	NT	
HG9UGW					
Item 3	Pos LMG	Neg	ALS, AP	NT	
Item 4	Pos LMG	Pos	ALS, AP, Micro	NT	
HJRVFP					
Item 3	Pos KM, HemaTrace	Neg	AP	NT	
Item 4	Pos KM, HemaTrace	Pos	AP, PSA, Micro	NT	
HMDLJE					
Item 3	Pos PTMB	Neg	AP	Neg	Phadebas
Item 4	Pos PTMB	Pos	AP, Micro	Neg	Phadebas
HV9VVH					
Item 3	Pos Hemident, HemaTrace	Neg	ABAcad p30, Sperm Hy-Liter Express Staining		
Item 4	Pos Hemident, HemaTrace	Pos	ABAcad p30, Sperm Hy-Liter Express Staining		
HW4GMN					
Item 3	Pos KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos KM, HemaTrace	Pos	AP, PSA, Micro	Neg	Phadebas
HX6K24					
Item 3	Pos LMG, HemaTrace	Neg	ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Pos	ALS, AP, PSA	NT	
HXBRAR					
Item 3	Pos KM	Neg	AP	NT	Human, Pos PlexorHY
Item 4	Pos KM	Pos	AP, Micro, PSA	Neg	RSID Human, Pos PlexorHY

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
J4E4RA				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA	NT	
J4GRDU				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Pos AP, Micro	NT	
J76ZLB				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Pos AP, RSID Semen, Micro	NT	
J7YTCM				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Pos AP, Micro	NT	
JA2P43				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
JB7MTC				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, PSA, Micro	NT	
JDQYD4				
Item 3	Pos KM, ABA HemaTrace	Neg AP	Neg Phadebas	
Item 4	Pos KM, ABA HemaTrace	Pos AP, PSA	Neg Phadebas	
JJ7XB3				
Item 3	Pos O-tol	Neg AP, Micro, PSA	Neg Radial Diffusion	
Item 4	Pos O-tol	Pos AP, Micro, PSA	Neg Radial Diffusion	
JKFR4G				
Item 3	Pos Hemastix			
Item 4	Pos Hemastix	Pos Brentamine		
JKFXFA				
Item 3	Pos LMG, Ouchterlony (anti-HuHB)	Neg AP, Micro, PSA	Neg Amylase, Micro	
Item 4	Pos LMG, Ouchterlony (anti-HuHB)	Pos AP, Micro, PSA	Neg Amylase, Micro	
JMUAME				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
JNFZBC				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
JQMAN4				
Item 3	Pos O-tol	Neg AP, Micro	NT	
Item 4	Pos O-tol	Pos AP, Micro	NT	
JVKTP2				
Item 3	Pos KM	Neg AP, MICRO, PSA	Neg PHADEBAS	
Item 4	Pos KM	Pos AP, MICRO, PSA	Neg PHADEBAS	
JXA87P				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
JXAXJY				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Micro	NT	
JYB9UF				
Item 3	Pos TMB, KM	Neg AP, PSA, Micro, ALS	Neg RSID	
Item 4	Pos TMB, KM	Pos AP, PSA, Micro, ALS	Neg RSID	
JZB6P6				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA	NT	
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA	NT	
K3ZTMQ				
Item 3	Pos O-tol, HemDirect	Neg AP, PSA, Micro	NT	
Item 4	Pos O-tol, HemDirect	Pos AP, PSA, Micro	NT	
K7DPBZ				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro	NT	
K7H4KU				
Item 3	Pos KM	Neg AP/Micro (no sperm observed)	Neg Amylase/Micro (no epithelial cells)	
Item 4	Pos KM	Pos AP/Micro (sperm observed)	Neg Amylase/Micro (no epithelial cells)	
KCL888				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
KFM2GB					
Item 3	Pos Hemastix	NT	NT		
Item 4	Pos Hemastix, HemaTrace	Pos AP, p30	NT		
KHAUZR					
Item 3	Pos KM	Neg PSA	NT		
Item 4	Pos KM	Pos PSA, Micro	NT		
KP8HWX					
Item 3	Pos HemaTrace	Neg ALS, P30, Christmas Tree Stain	NT		
Item 4	Pos HemaTrace	Pos ALS, P30, Christmas Tree Stain	NT		
KQMMVW					
Item 3	Pos KM, Human Species Testing	Neg AP, p30, Micro for spermatozoa	Neg Amylase, Micro for Nucleated epithelial cells		
Item 4	Pos KM, Human Species Testing	Pos AP, p30, Micro for spermatozoa	Neg Amylase, Micro for Nucleated epithelial cells		
KVYFX9					
Item 3	Pos O-tol	Neg AP	NT	Human Blood, HemaTrace Pos	
Item 4	Pos O-tol	Pos AP, Micro	NT	Human blood, HemaTrace Pos	
KYBJB4					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
KZAHUC					
Item 3	Pos KM, Hexagon OBTI	Neg AP	NT		
Item 4	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT		
L2GJTF					
Item 3	Pos O-tol	Neg AP, Micro, PSA			
Item 4	Pos O-tol	Pos AP, Micro			
LJBCLZ					
Item 3	Pos KM, HemaTrace	NT	NT		
Item 4	Pos KM, HemaTrace	NT	NT		
LNUCVE					
Item 3	Pos LMG	Neg AP	Neg RSID-SALIVA		
Item 4	Pos LMG	Pos AP, PSA	Neg RSID-SALIVA		

TABLE 1

		Fluid ID		
Webcode	Blood	Semen	Saliva	Other
LQL6ED				
Item 3	Pos hematrace, phenolphthalein	Neg bcip		NT
Item 4	Pos hematrace, phenolphthalein	Pos bcip, P30, Micro		NT
LWAZYG				
Item 3	Pos KM, O-tol, RSID-blood, HemaTrace	Neg AP		
Item 4	Pos KM, O-tol, RSID-blood, HemaTrace	Pos AP, p30, Micro (Christmas Tree & Sperm Hy-liter)	Neg Phadebas	
LY7MFY				
Item 3	Pos LMG, HemaTrace	Neg AP		NT
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA		NT
M39ZHH				
Item 3	Pos KM. HemaTrace	Neg AP		NT
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro		NT
M4FC87				
Item 3	Pos o-tol, hematrace	Neg AP		Neg amylase diffusion
Item 4	Pos o-tol, hematrace	Pos AP, PSA, Micro		Neg amylase diffusion
M6E84V				
Item 3	Pos O-tol	NT		NT
Item 4	Pos O-tol	NT		NT
M8CXY9				
Item 3	Pos KM, HEMATTRACE	NT		NT
Item 4	Pos KM, HEMATTRACE	NT		NT
MFUA9U				
Item 3	Pos KM	Neg AP, Micro		Neg Amylase, Micro
Item 4	Pos KM	Pos AP, Micro		Neg Amylase, Micro
MGTBFL				
Item 3	Pos ALS, TMB, HemaTrace	Neg ALS, AP		Neg ALS, RSID
Item 4	Pos ALS, TMB, HemaTrace	Pos ALS, AP, Micro, PSA		Neg ALS, RSID
MJV3JR				
Item 3	Pos LMG, HemaTrace	Neg AP		NT
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro		NT
MQF8J8				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP		NT
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, p30, Micro		NT

TABLE 1

		Fluid ID		
Webcode	Blood	Semen	Saliva	Other
MVQFQ4				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	Pos ALS, AP, Micro	NT	
MVUZD8				
Item 3	Pos TMB, HemaTrace	Neg AP, PSA	NT	
Item 4	Pos TMB, HemaTrace	Pos AP, PSA, Micro	NT	
N2DKZJ				
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID Saliva	
Item 4	Pos O-tol	Pos AP, Micro	Neg RSID Saliva	
N4AG26				
Item 3	Pos KM	Neg AP,ALS	NT	
Item 4	Pos KM	Pos AP,ALS,Micro,PSA	NT	
N6PJ3C				
Item 3	Pos LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos LMG	Pos AP, PSA	Neg RSID-Saliva	
N8EZBY				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA	NT	
NA49T2				
Item 3	Pos KM, ABACard	Neg AP	Neg Phadebas press	
Item 4	Pos KM, ABACard	Pos AP, PSA	Neg Phadebas press	
NA64ER				
Item 3	Pos KM	Neg AP, Micro	Neg Amylase radial diffusion	
Item 4	Pos KM	Pos AP, Micro	Neg Amylase radial diffusion	
NGN7LU				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Micro	NT	
NH3FQN				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro	NT	
NLVQFT				
Item 3	Pos KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg ALS, Phadebas	
Item 4	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg ALS, Phadebas	



TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
NUWWFP				
Item 3	Pos KM, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
NWKKJ3				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Micro	NT	
NWXZU6				
Item 3	Pos Pheno	Neg AP	NT	
Item 4	Pos Pheno	Pos AP, Micro, P30	NT	
NWYYYY				
Item 3	Pos KM	Neg AP, Micro for sperm	Neg Amylase Radial Diffusion, Micro for nucleated epithelial cells	
Item 4	Pos KM	Pos AP, Micro for sperm	Neg Amylase Radial Diffusion, Micro for nucleated epithelial cells	
NXUJQ6				
Item 3	Pos LMG	Neg AP, P30, Microscopy	Neg Amylase	
Item 4	Pos LMG	Pos AP, P30, Microscopy	Neg Amylase	
NYAUU4				
Item 3	Pos O-tol	NT	NT	Human blood, HemaTrace Pos
Item 4	Pos O-tol	Pos AP, Micro	NT	Human blood, HemaTrace Pos
PDKT6V				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, PSA	NT	
PLWPH2				
Item 3	Pos KM	Neg FBB	NT	
Item 4	Pos KM	Pos FBB, PSA	NT	
PN7YBY				
Item 3	Pos KM	Neg ALS, FBB	NT	
Item 4	Pos KM	Pos ALS, FBB, Microscopic	NT	
PPCJYY				
Item 3	Pos hemochromogen	NT	NT	
Item 4	Pos hemochromogen	Pos AP, Micro	NT	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
PVJV9E					
Item 3	Pos Phenolphthalein	Neg BCIP	NT		
Item 4	Pos Phenolphthalein	Pos BCIP, P30, Micro	Neg Phadebas		
Q67BD9					
Item 3	Pos KM	Neg ALS, AP, Micro	Neg ALS, Phadebas	Human DNA Quantifiler Duo Detected, Pos	
Item 4	Pos KM	Pos ALS, AP, Micro	Neg ALS, Phadebas	Human DNA Quantifiler Duo Detected, Pos	
Q98AUT					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
Q98CJX					
Item 3	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press		
Item 4	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas Press		
QBNV7M					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT		
QC6TWR					
Item 3	Pos LMG	Neg AP	NT		
Item 4	Pos LMG	Pos AP, Micro	NT		
QEMBFV					
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT		
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA	NT		
QJ3PBG					
Item 3	Pos KM	NT	NT		
Item 4	Pos KM	NT	NT		
QKDGHC					
Item 3	Pos O-tol	Neg AP			
Item 4	Pos O-tol	Pos AP, Micro			
QPRX4N					
Item 3	Pos LMG	Neg AP	NT		
Item 4	Pos LMG	Pos AP, Micro	NT		
QRDZDF					
Item 3	Pos KM and ABA card HemaTrace	Neg AP	Neg Phadebas Press Test		
Item 4	Pos KM and ABA card HemaTrace	Pos AP and PSA/P30	Neg Phadebas Press Test		

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
QUPJT6					
Item 3	Pos TMB, HemaTrace	Neg AP, PSA	NT		
Item 4	Pos TMB, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva		
QVJCM4					
Item 3	Pos TMB - Hemastix	Neg AP	NT		
Item 4	Pos TMB - Hemastix	Pos AP	NT		
QWM9TY					
Item 3	Pos Human Hemoglobin	Neg p30	Neg Amylase		
Item 4	Pos Human Hemoglobin	Pos p30	Neg Amylase		
QZ8Z42					
Item 3	Pos KM	Neg AP, ALS	NT		
Item 4	Pos KM	Pos ALS, AP, PSA, Micro	NT		
R36XRY					
Item 3	NT	Neg AP	NT		
Item 4	NT	Pos AP	NT		
R8622Y					
Item 3	Pos KM	Neg ALS, AP	NT		
Item 4	Pos KM	Pos ALS, AP, Micro	NT		
R8ALN3					
Item 3	Pos O-tol	Neg AP	NT	Human blood, HemaTrace Pos	
Item 4	Pos O-tol	Pos AP, Micro	NT	Human blood, HemaTrace Pos	
RB9QDF					
Item 3	Pos LMG, HemaTrace	Neg AP	NT		
Item 4	Pos LMG, HemaTrace	Pos AP, P30	NT	Spermatozoa, Pos Micro	
RUKJBG					
Item 3	Pos red/brown, o-tol, PHTH	Neg AP, Micro	NT		
Item 4	Pos red/brown, o-tol, PHTH	Pos AP, Micro	NT		
RV79BV					
Item 3	Pos KM, HemaTrace	NT	NT		
Item 4	Pos KM, HemaTrace	NT	NT		
T3U7YB					
Item 3	Pos KM, RSID-Blood	Neg AP(INC), Micro, P30	NT	Feces, Neg Urobilinogen	
Item 4	Pos KM, RSID-Blood	Pos AP, Micro, P30	NT	Urine, Neg RSID-Urine	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
T4GWM9				
Item 3	NT	NT	NT	
Item 4	NT	NT	NT	
T7MJ7T				
Item 3	Pos LMG	Neg PSA, AP, Microscopy	NT	
Item 4	Pos LMG	Pos PSA, AP, Microscopy	NT	
T82W2G				
Item 3	Pos KM, Takayama	Neg AP, Micro, p30	Neg Amylase Radial Diffusion	
Item 4	Pos KM, Takayama	Pos AP, Micro, p30	Neg Amylase Radial Diffusion	
T88BAB				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	NT	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	NT	
TBLQZ3				
Item 3	Pos TMB, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
Item 4	Pos TMB, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
TCEJ TZ				
Item 3	Pos Hemastix/TMB	Neg AP	NT	
Item 4	Pos Hemastix/TMB	Pos AP	NT	
TGLDAP				
Item 3	Pos ABA HemaTrace	Neg ABA P30	NT	
Item 4	Pos ABA HemaTrace	Pos ABA P30	NT	
TK73U3				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
TRR2GU				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
TTP6EB				
Item 3	Pos Hemident, HemaTrace	Neg ABACard p30, Sperm Hy-Liter Express	NT	
Item 4	Pos Hemident, HemaTrace	Pos ABACard p30, Sperm Hy-Liter Express	NT	
TV8EHG				
Item 3	Pos LMG	Neg AP, PSA, Micro	NT	Human Blood, HemaTrace Pos
Item 4	Pos LMG	Pos AP, PSA, Micro	NT	Human Blood, HemaTrace Pos

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
TXRLFJ				
Item 3	Pos KM	Neg AP, Micro, ALS	NT	
Item 4	Pos KM	Pos AP, Micro, ALS, PSA	NT	
U6NKNJ				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
U7L2Q9				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Pos AP, Micro	NT	
U99P29				
Item 3	Pos O-tol	Neg AP		
Item 4	Pos O-tol	Pos AP, PSA		
UA8NKG				
Item 3	Pos LMG, HemaTrace	Neg AP, Micro	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro	NT	
UEY34W				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
UR44TK				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Pos AP, Micro	NT	
UVM7RD				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	
UWYXP2				
Item 3	Pos Hemastix, HemaTrace	NT	NT	
Item 4	Pos Hemastix, HemaTrace	Pos AP	NT	
UXAYEF				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
V4PYAJ				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
V7X8GH				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	

TABLE 1

		Fluid ID		
Webcode	Blood	Semen	Saliva	Other
VCBWBD				
Item 3	Pos Color, O-tol, ppth	Neg AP, Micro	NT	
Item 4	Pos Color, O-tol, ppth	Pos AP, Micro	NT	
VFPGC8				
Item 3	Pos LMG, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA	NT	
VKJG8U				
Item 3	Pos KM	Neg AP/Micro	NT	
Item 4	Pos KM	Pos AP/Micro	NT	
VLYMX6				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	Pos ABACard p30, Micro	NT	
VMLFHM				
Item 3	Pos O-tol	Neg ALS, AP	NT	
Item 4	Pos O-tol	Pos ALS, AP, Micro	Neg Micro	
VMU9PB				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	
VR2TKV				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
VR3G9Z				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA	NT	
VU8D9V				
Item 3	Pos KM	Neg AP, Micro	Neg Amylase Radial Diffusion	
Item 4	Pos KM	Pos AP, Micro	Neg Amylase Radial Diffusion	
VWFCUP				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
VX2CED				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Neg AP	NT	

TABLE 1

		Fluid ID			
Webcode	Blood	Semen	Saliva	Other	
VX7N3A					
Item 3	Pos KM	Neg AP	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
VZHA6H					
Item 3	Pos O-tol	NT ALS	NT	Human blood, RSID Pos	
Item 4	Pos O-tol	Pos AP, PSA, Micro, ALS	Neg Amylase	Human blood, RSID Pos	
W2HW6Z					
Item 3	Pos Hemastix	Neg AP	NT		
Item 4	Pos Hemastix	Pos AP	NT		
W9HEHQ					
Item 3	Pos LMG, HemaTrace, ALS	Neg AP, PSA, ALS, Micro	NT		
Item 4	Pos LMG, HemaTrace, ALS	Pos AP, PSA, ALS, Micro	NT		
WC37UT					
Item 3	Pos KM	Neg AP, Micro	NT		
Item 4	Pos KM	Pos AP, Micro	NT		
WHQQVN					
Item 3	Pos KM, HemaTrace	Neg AP	Neg Phadebas	Human Origin, Hematrace, Plexor Pos HY	
Item 4	Pos KM, Takayama	Pos AP, Micro, PSA	Neg Phadebas, RSID	Human Origin, Plexor Pos HY	
WJZZML					
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID-saliva	Human origin, Hematrace, Pos PlexorHY	
Item 4	Pos KM, Takayama	Pos AP, Micro, PSA	Neg RSID-saliva	Human origin, Hematrace, Pos PlexorHY	
WQ32V3					
Item 3	Pos KM, TMB	Neg AP, Micro, PSA	Neg RSID		
Item 4	Pos KM, TMB	Pos AP, Micro, PSA	Neg RSID		
WRXMJR					
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT		
Item 4	Pos Hemastix, HemaTrace	Pos AP, p30/PSA, Micro	NT		
WWCZLZ					
Item 3	Pos KM, Hexagon OBTI	Neg AP	NT		
Item 4	Pos KM, Hexagon OBTI	Pos AP, RSID-Semen, PSA	NT		
X2FLM2					
Item 3	Pos LMG	Neg AP	Neg RSID Saliva		
Item 4	Pos LMG	Pos AP, PSA	Neg RSID Saliva		

TABLE 1

Fluid ID				
Webcode	Blood	Semen	Saliva	Other
X2GLKG				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
X3BCNA				
Item 3	Pos KM, HemaTrace	Neg AP, Micro	NT	
Item 4	Pos KM, HemaTrace	Pos AP, Micro	NT	
X4JBWX				
Item 3	Pos KM	Neg AP, PSA	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
X4RAEE				
Item 3	Pos KM, Takayama	Neg AP,micro, p30	Inc amylase	
Item 4	Pos KM, Takayama	Pos AP,micro, p30	Neg amylase	
X6ZDWJ				
Item 3	Pos KM, HemDirect	Neg AP, Micro	Neg RSID Saliva	
Item 4	Pos KM, HemDirect	Pos AP, Micro	Neg RSID Saliva	
XCZXZZ				
Item 3	Pos KM, Bluestar Hexagon OBTI	Neg AP		
Item 4	Pos KM, Bluestar Hexagon OBTI	Pos AP, RSID, PSA		
XG926G				
Item 3	Pos LMG and HemaTrace	Neg AP	NT	
Item 4	Pos LMG and HemaTrace	Pos AP, Micro, PSA	NT	
XKQJ4D				
Item 3	Pos KM	Neg AP	Neg Phadebas	
Item 4	Pos KM	Pos AP, Micro, PSA	Neg Phadebas	
XKXJB9				
Item 3	Pos O-tol	Neg AP	NT	
Item 4	Pos O-tol	Pos AP, Micro	NT	
XNM8GD				
Item 3	Pos LMG, HemaTrace	Neg AP	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
XNNT8Y				
Item 3	Pos KM and Hematrace	NT	NT	
Item 4	Pos KM and Hematrace	NT	NT	



TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
XP6ZQN				
Item 3	Pos O-tol	Neg AP	NT	Human Blood, RSID Pos
Item 4	Pos O-tol, RSID	Pos AP, PSA	Neg Amylase Radial Diffusion	Spermatazoa[sic], Microscopic Pos
XT8RUU				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
XX3J3R				
Item 3	Pos Hemastix, HemaTrace	Neg AP	NT	
Item 4	Pos Hemastix, HemaTrace	Pos AP, PSA, Micro	NT	
Y3BKKZ				
Item 3	Pos pheno, hematrace	Neg BCIP	Neg phadebus[sic]	
Item 4	Pos pheno, hematrace	Pos BCIP, p30, Micro	Neg phadebus[sic]	
YCWTZG				
Item 3	Pos KM	Neg AP, Micro (sperm)	Neg Amylase Radial Diffusion, Micro (e cells)	
Item 4	Pos KM	Pos AP, Micro (sperm)	Neg Amylase Radial Diffusion, Micro (e cells)	
YJE2MT				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
YLLE7F				
Item 3	Pos KM	Neg AP, Micro for sperm	Neg Amylase gel, Micro for e. cells	
Item 4	Pos KM	Pos AP, Micro for sperm	Neg Amylase gel, micro for e. cells	
YQWCX9				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Pos AP, Micro	NT	
YVUYHN				
Item 3	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas Press	
Item 4	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas Press	
YXEV29				
Item 3	Pos KM	NT	NT	
Item 4	Pos KM	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
Z2PDQ3				
Item 3	Pos HemaTrace, o-tol	Neg AP	NT	
Item 4	Pos HemaTrace, o-tol	Pos AP, Micro		
Z4VXD3				
Item 3	Pos O-Tol	NT	NT	
Item 4	Pos O-Tol	Pos AP, P30, Micro	NT	
ZEAYRN				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
ZEFAPF				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, PSA and Micro	NT	
ZFUH8G				
Item 3	Pos KM	Neg AP	Neg Amylase Radial Diffusion plate	
Item 4	Pos KM	Pos AP, Micro	Neg Amylase Radial Diffusion plate	
ZKNEUL				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
ZNL6U7				
Item 3	Pos TMB	NT	NT	
Item 4	Pos TMB	Pos AP,ALS,PSA,Micro	NT	
ZPU9FG				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
ZV8TZA				
Item 3	Pos O-tol	Neg AP, Micro	Neg RSID-Saliva	ALS, Neg ALS
Item 4	Pos O-tol	Pos AP, Micro	Neg RSID-Saliva	ALS, Neg ALS
ZWX3HP				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	

**Table 1  
Response Summary****Item 3**Participants: **314**

<b>ITEM 3:</b>	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	<b>310</b>	<b>0</b>	<b>0</b>
Negative	<b>0</b>	<b>279</b>	<b>83</b>
Inconclusive	<b>0</b>	<b>0</b>	<b>2</b>
Not Tested (NT)	<b>4</b>	<b>32</b>	<b>216</b>
Not Reported	<b>0</b>	<b>2</b>	<b>13</b>

**Table 1  
Response Summary****Item 4**Participants: **314**

<b>ITEM 4:</b>	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	<b>310</b>	<b>296</b>	<b>0</b>
Negative	<b>0</b>	<b>1</b>	<b>98</b>
Inconclusive	<b>0</b>	<b>0</b>	<b>0</b>
Not Tested (NT)	<b>4</b>	<b>16</b>	<b>200</b>
Not Reported	<b>0</b>	<b>0</b>	<b>16</b>

# Amplification Kit(s) & STR Results

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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**Item 1**

24GJUZ	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
24JA6P	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
2B86MR	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
2ECWRB	Identifiler® Plus, PowerPlex® 18D						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
2F6TBD	Identifiler® Plus, MiniFiler						
	1	N/A	18,23	N/A	13,16	11,13	10,10
		14,14	N/A	N/A	12,13	9,12	13,14
		13,15	29,29	N/A	X,X	11,11	23,23
		N/A	N/A	N/A	9,9.3	9,10	16,17
2GKUF2	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
2GZD2J	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17

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

2HA69E	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
2JCWD3	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
2KYPXJ	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
2NM4NE	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
2U27EN	Identifiler®						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
2U938Z	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
2UVD79	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
2ZB9UQ	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

32Y23E	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
39H9JJ	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
39YL4A	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
3ATB93	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
				9,9.3	9,10	16,17	
3BB4FR	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
3EUYHK	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
3J8282	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
3UPHXM	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

48AH4F	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10
49K8MR	PowerPlex® 16						
	1				13,16	11,13	10
		14 10,11		29 7,8		12,13 X 9,9.3	9,12 11 9,10
4J32K7	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10
4NHXA	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10
4WARKT	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14 13,15 10,11		29,29 7,8	17,23	12,13 X,X 9,9.3	9,12 11,11 9,10
4XWK6B	PowerPlex® 16 HS						
	1				13,16	11,13	10
		14 10,11		29 7,8		12,13 X 9,9.3	9,12 11 9,10
4Y969D	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10
63ZYYQ	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

64YVUF	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
68JZ96	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
69F3RF	Identifiler® Direct						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
6BLP6K	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
6ELUM7	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
	14				12,13	9,12	13,14
6H8FTZ	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
6JBJVX	Profiler Plus						
	1				13,16	11,13	10,10
	14,14				12,13		13,14
6KAKYU	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14



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

6NPZLE	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
6Q2QYP	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
6VNRP3	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X,X	11	23
		10,11	7,8		9,9.3	9,10	16,17
6WHKGE	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
736KGR	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
78J4UT	Identifiler Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
7DM997	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
7LFE7D	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

7QAKUF	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
7QNZUB	Identifiler® and ID Plus, Minifiler						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
7ZCWWB	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
87KEU4	PowerPlex® 16 HS						
	1		18,23		13,16	11,13	10
		13,15	29,29		X,X	11,11	23,23
893MQH	PowerPlex® fusion, ESX 17						
	1	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
89MC3C	Identifiler®						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
8B6NRF	Identifiler® PLUS						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
8BFAL4	Identifiler® Identifiler Plus						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

8CRWC6	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
8ERCFM	Globalfiler						
	1	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11	23,23
			Inc	9,9.3	No Reaction		16,17
8ETZ4R	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
8EZ4KP	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
8G6UR6	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
8JTBYR	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
8NYXM2	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11	7,8		9,9.3	9,10	16,17	
8QUJZT	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

8VKTW7	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
8ZQKQB	Identifiler® PLUS, PowerPlex® 16HS						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
9ALNVX	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
9AYDWP	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
9CPJE2	Identifiler® Plus						
	1	NA	18,23	NA	13,16	11,13	10,10
	14,14		NA	NA	12,13	9,12	13,14
	13,15		29,29	NA	X,X	11,11	23,23
	NA		NA	NA	9,9.3	9,10	16,17
9F2JGU	Identifiler® Plus, PowerPlex® 18D						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
9JMFTQ	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10	16,17	
9M8288	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10	16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

9PFB2Q	Identifiler® Plus							
	1		18,23		13,16	11,13	10	
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
9QEYUT	Identifiler® and Identifiler Plus, PowerPlex® HS							
	1		18,23		13,16	11,13	10	
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
		10,11		7,8				
9RDT3Y	Identifiler® Plus							
	1		18,23		13,16	11,13	10,10	
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
9RDVPH	Identifiler® Plus							
	1		18,23		13,16	11,13	10,10	
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
9RWPCD	Identifiler® Plus							
	1	NT	18,23	NT	13,16	11,13	10,10	
		14,14 13,15		NT 29,29		12,13 X,X 11,11	9,12 23,23	13,14 23,23
		NT	NT	NT	9,9.3	9,10	16,17	
9WLENB	Identifiler®							
	1		18,23		13,16	11,13	10,10	
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
9X7W8N	Identifiler Plus							
	1		18,23		13,16	11,13	10	
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
A2Z8LV	Identifiler® Plus							
	1		18,23		13,16	11,13	10,10	
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17

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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A3CU6V	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
A47R8A	Identifiler® plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
A47RAV	PowerPlex® 16 HS						
	1				13,16	11,13	10,10
	14,14				12,13	9,12	13,14
			29,29		X,X	11,11	23,23
	10,11		7,8		9,9.3	9,10	16,17
AA9RFQ	COfiler® and Profiler Plus®						
	1				13,16	11,13	10,10
	14,14				12,13		13,14
			29,29		X,X		23,23
							16,17
ABM3MW	PowerPlex® 16 HS						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
AJVWE4	PowerPlex® 16HS						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
AJWUPY	GlobalFiler						
	1	15,18.3	18,23	10,11	13,16	11,13	10
	14		14,15	17,23	12,13	9,12	13,14
	13,15		29	15,16	X	11	23
				19,28.2	9,9.3	9,10	16,17
AKDU22	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17

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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AKPP92	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
AMFNQ7	Identifiler® Minifiler, Identifiler Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
ANBETE	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
APJJA9	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
AQDC48	PowerPlex® PowerPlex 16HS						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8	19,28.2	9,9.3	9,10	16,17
AWLQRW	PowerPlex® 16 HS						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
AWTMRW	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

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

AYUR6G	IDENTIFILER PLUS						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
B34L67	Identifiler® Identifiler Plus, Minifiler						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
B74RNN	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
B7AR4Z	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
BBD2ME	PowerPlex® 16 HS						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
BGKGGW	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
BJZKNU	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
BN86HT	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17



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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BR8F82	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
BXWWWY	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
C6B39V	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
C8FQG7	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
CBXRT7	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
CBYRQK	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
CDHRPM	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
CJ7CUN	COfiler® and Profiler Plus®						
	1				13,16	11,13	10
		14			12,13		13,14
			29		X		23
						16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

CJA3V6	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
CJTVW3	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29,29		X,X	11,11	23,23
CLGB6P	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
CXF6J8	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
CZDKXW	PowerPlex® 16						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
CZHUVF	Identifiler®						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
DADG9D	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
DDND2M	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23

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

DQ6DMF	PowerPlex®						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
E73RLN	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
E78FLL	Profiler Plus						
	1				13,16	11,13	10,10
	14,14				12,13		13,14
			29,29		X,X		23,23
							16,17
E7G7W4	Identifiler® Direct						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
E98DFF	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
E9XR9X	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
	14		-	-	12,13	9,12	13,14
	13,15		29	-	X	11	23
	-		-	-	9,9.3	9,10	16,17
ECJGTB	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
ELCNNM	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17

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

ELK2V4	Identifiler® Plus, PowerPlex® 16HS						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
ENWGP4	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
EPQBEL	Identifiler Plus and Minifiler						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
EXGUH9	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
F3EG4A	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
F4YM7D	Identifiler® , Identifiler Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
FQYRZX	PowerPlex® 16HS						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
FRRHC6	Identifiler® Plus						
	1	n/t	18,23	n/t	13,16	11,13	10,10
		14,14	n/t	n/t	12,13	9,12	13,14
		13,15	29,29	n/t	X,X	11,11	23,23
	n/t	n/t	n/t	9,9.3	9,10	16,17	

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

FW92DL	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
FWAQNB	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
FWP62L	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
G7P2G9	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
GAA7VX	Identifiler® and Id Plus, Minifiler						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
GCFDPC	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
GCR79T	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
GDB3QK	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

GG64L8	Identifiler® Plus						
	1	n/a	18,23	n/a	13,16	11,13	10,10
		14,14	n/a	n/a	12,13	9,12	13,14
		13,15	29,29	n/a	X,X	11,11	23,23
		n/a	n/a	n/a	9,9.3	9,10	16,17
GGEQC2	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
GJFYBK	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
GJGPK9	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
GLMABU	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
GQG7XZ	Identifiler®						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
GRNMXQ	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
	10,11	7,8		9,9.3	9,10	16,17	
GUEQ3J	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

GUZ9YD	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
GV9BTP	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
H7PBUQ	PowerPlex® ESI 16						
	1	15,18.3	18,23	10,11	13,16		
	14	14,14	14,15	17,23		9,12	13,14
HBXY8T	Identifiler®						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
HG9UGW	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
HJRVFP	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
HMDLJE	Globalfiler						
	1	15,18.3	18,23	10,11	13,16	11,13	10,10
	14	14,14	14,15	17,23	12,13	9,12	13,14
HV9VWH	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

HW4GMN	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
HWV9LN	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
	14		-	-	12,13	9,12	13,14
	13,15		29	-	X	11	23
	-		-	-	9,9.3	9,10	16,17
HX6K24	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X,X	11	23
	10,11		7,8		9,9.3	9,10	16,17
HXBRAR	Identifiler Plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
J4E4RA	PowerPlex® PowerPlex 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
J4GRDU	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
J76ZLB	PowerPlex® PowerPlex21						
	1	15,18.3	18,23		13,16	11,13	10,10
	14,14			17,23	12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
	10,11		7,8		9,9.3	9,10	16,17
J7YTCM	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

JA2P43	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
JB7MTC	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
JDQYD4	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
JJ7XB3	Identifiler®						
	1		18,23		13,16	11,13	10
	14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
JKFR4G	Identifiler®						
	1		18,23		13,16	11,13	10,10
	14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
JKFXFA	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
JMUAME	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
JNFZBC	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14 13,15		29		12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

JQMAN4	Identifiler®						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10
JKTP2	Identifiler® PLUS						
	1		18,23		13,16	11,13	10,10
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10
JXA87P	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10
JXAXY	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X 9,9.3	9,12 11 9,10
JYB9UF	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10
JZB6P6	PowerPlex® 16						
	1				13,16	11,13	10
		14 10,11		29 7,8		12,13 X 9,9.3	9,12 11 9,10
K3ZTMQ	Identifiler® , Minifiler						
	1		18,23		13,16	11,13	10
		14 13,15		29		12,13 X,X 9,9.3	9,12 11 9,10
K7DPBZ	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14 13,15		29,29		12,13 X,X 9,9.3	9,12 11,11 9,10

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

K7H4KU	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
KCL888	Identifiler[sic] Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
KFM2GB	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
KHAUZR	PowerPlex® HS						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
KP8HWX	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
KQMMVW	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
KVYFX9	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
KYBJB4	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

KZAHUC	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
L2GJTF	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29,29		X,X	11,11	23,23
LJBCLZ	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
LNUCVE	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
LQL6ED	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
LWAZYG	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
LY7MFY	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
M39ZHH	PowerPlex® 16HS						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
		-	-	-	9,9.3	9,10	16,17
		10,11	7,8		9,9.3	9,10	16,17

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

M4FC87	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
M6E84V	COfiler® and Profiler Plus® , PowerPlex®						
	1				13,16	11,13	10,10
		14,14			12,13		13,14
			29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
M8CXY9	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
MFUA9U	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
MGTBFL	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
MJV3JR	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
MQF8J8	PowerPlex® 16						
	1				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
			29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
MVQFQ4	Identifiler® Identifiler Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

MVUZD8	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
N2DKZJ	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
N4AG26	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
N6PJ3C	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
N8EZBY	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
NA49T2	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
NA64ER	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
NGN7LU	Identifiler® Plus, MiniFiler						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

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

NH3FQN	Identifiler® Identifiler Direct						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
NLVQFT	COfiler® and Profiler Plus®						
	1				X	11	23
		13,15	29		9,9.3	9,10	16,17
NUWWFP	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
NWKKJ3	Identifiler® Direct						
	1		18,23		X	11	23
		13,15	29		9,9.3	9,10	16,17
NWZU6	PowerPlex® Fusion						
	1	15,18.3	18,23	10,11	13,16	11,13	10
		14	14,15	17,23	12,13	9,12	13,14
NWYYY	Identifiler® Plus						
	1	-	18,23	-	X,X	11	23
		13,15	29,29	-	9,9.3	9,10	16,17
NXUJQ6	Identifiler® Plus						
	1	NT	18,23	NT	13,16	11,13	10,10
		14,14	NT	NT	12,13	9,12	13,14
NYAUU4	PowerPlex® PowerPlex 21						
	1	15,18.3	18,23		X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17

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

PDKT6V	Identifiler® Direct						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X,X	11	23
PLWPH2	PowerPlex® 16						
	1	-	-	-	9,9.3	9,10	16,17
		14			13,16	11,13	10
		10,11	7,8		12,13	9,12	13,14
PN7YBY	PowerPlex® 16						
	1				X	11	23
		14			9,9.3	9,10	16,17
		10,11	7,8		13,16	11,13	10
PPCJYY	Identifiler® Plus						
	1		18,23		12,13	9,12	13,14
		14,14			X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17
PVJV9E	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
Q67BD9	Identifiler®						
	1		18,23		9,9.3	9,10	16,17
		14			13,16	11,13	10
		13,15	29		12,13	9,12	13,14
Q98AUT	Identifiler® Direct						
	1		18,23		X	11	23
		14			9,9.3	9,10	16,17
		13,15	29		13,16	11,13	10
Q98CJX	Identifiler® Plus						
	1		18,23		12,13	9,12	13,14
		14,14			X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

QC6TWR	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
QEMBFV	PowerPlex® 16						
	1				X	11	23
	13,15		29		9,9.3	9,10	16,17
QJ3PBG	Identifiler®						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
QKDGHC	Identifiler® Plus						
	1		18,23		X,X	11	23
	13,15		29,29		9,9.3	9,10	16,17
QPRX4N	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
QRDZDF	Identifiler® Plus						
	1		18,23		X	11	23
	13,15		29,29		9,9.3	9,10	16,17
QUPJT6	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
	14,14			17,23	12,13	9,12	13,14
QVJCM4	Identifiler®						
	1		18,23		X,X	11,11	23,23
	13,15		29,29		9,9.3	9,10	16,17

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

QWM9TY	PowerPlex® Fusion, ESX 17, CS7						
	1	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11,11	23,23
QZ8Z42	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
R36XRY	IDplex Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
R8622Y	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
R8ALN3	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
RB9QDF	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X,X	11	23
RUKJBG	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
RV79BV	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	

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

RXJWWF	Identifiler®						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
T3U7YB	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
T4GWM9	Identifiler® Plus, PowerPlex® 16 HS						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X,X	11	23
		10,11	7,8		9,9.3	9,10	16,17
T7MJ7T	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
T82W2G	Identifiler® Identifiler Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
T88BAB	PowerPlex® 16						
	1				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
TBLQZ3	PowerPlex®						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
TCEJTZ	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

TGLDAP	PowerPlex® Fusion	1	15,18.3	18,23	10,11	13,16	11,13	10
			14	14,15		12,13	9,12	13,14
			13,15	29	15,16	X	11	23
			10,11	7,8		9,9.3	9,10	16,17
TK73U3	Identifiler® Plus	1		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17
TPCVNX	GlobalFiler	1	15,18.3	18,23	10,11	13,16	11,13	10,10
			14,14	14,15	17,23	12,13	9,12	13,14
			13,15	29,29	15,16	X,X	11,11	23,23
					19,28.2	9,9.3	9,10	16,17
TRR2GU	Identifiler Plus	1		18,23		13,16	11,13	10,10
			14,14			12,13	9,12	13,14
			13,15	29,29		X,X	11,11	23,23
						9,9.3	9,10	16,17
TTP6EB	Identifiler® Plus	1		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17
TV8EHG	PowerPlex® 16	1				13,16	11,13	10
			14			12,13	9,12	13,14
				29		X,X	11	23
			10,11	7,8		9,9.3	9,10	16,17
TXRLFJ	PowerPlex® 16HS	1				13,16	11,13	10
			14			12,13	9,12	13,14
				29		X	11	23
			10,11	7,8		9,9.3	9,10	16,17
U6NKNJ	Identifiler® Plus	1		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

U7L2Q9	PowerPlex® HS						
	1				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
			29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
U99P29	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
UA8NKG	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
UEY34W	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
UR44TK	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
UVM7RD	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
UWYXP2	PowerPlex® 21						
	1	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
UXAYEF	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

V7X8GH	PowerPlex® 16HS						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
VCBWBD	Identifiler® Plus						
	1		29		X	11	23
	10,11	7,8			9,9.3	9,10	16,17
VFBGC8	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
VHBCLT	PowerPlex® 16						
	1		29		X	11	23
	10,11	7,8			9,9.3	9,10	16,17
VKJG8U	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
VLYMX6	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
VMLFHM	Identifiler® , MiniFiler						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
VMU9PB	Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15	29,29			X,X	11,11	23,23
					9,9.3	9,10	16,17
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15	29,29			X,X	11,11	23,23
					9,9.3	9,10	16,17
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15	29			X	11	23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

VR2TKV	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
VR3G9Z	PowerPlex® 16						
	1				X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17
VR3G9Z	PowerPlex® 16						
	1				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
VU8D9V	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
VU8D9V	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
VWFCUP	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
VX2CED	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
VX2CED	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
VX7N3A	PowerPlex® HS						
	1				X,X	11	23
		13,15	29		9,9.3	9,10	16,17
VZHA6H	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
W2HW6Z	PowerPlex® 16						
	1				X	11	23
		10,11	7,8		9,9.3	9,10	16,17

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

W9HEHQ	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
WC37UT	Identifiler Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
WHQQVN	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
WJZZML	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
WQ32V3	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
WRXMJR	Identifiler® Identifiler Plus						
	1	NT	18,23	NT	13,16	11,13	10,10
		14,14	NT	NT	12,13	9,12	13,14
WWCZLZ	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
X2FLM2	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17



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

X2GLKG	PowerPlex® 16HS						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
X2VR3R	Identifiler® Identifiler Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	13,15				9,9.3	9,10	16,17
X3BCNA	PowerPlex® 16						
	1				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
X4JBWX	PowerPlex® Fusion						
	1	15,18.3	18,23	10,11	13,16	11,13	10
	14		14,15	17,23	12,13	9,12	13,14
		13,15	29	15,16	X	11	23
	10,11		7,8	NT	9,9.3	9,10	16,17
X4RAEE	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
XCZXZZ	Identifiler® Plus, PowerPlex® ESX17						
	1	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14		14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11,11	23,23
				19,28.2	9,9.3	9,10	16,17
XKQJ4D	Identifiler® Plus						
	1		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
XKXJB9	PowerPlex® 16 HS						
	1				13,16	11,13	10,10
	14,14				12,13	9,12	13,14
			29,29		X,X	11,11	23,23
	10,11		7,8		9,9.3	9,10	16,17

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

XNM8GD	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
XNNT8Y	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
XP6ZQN	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
XT8RUU	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
XX3J3R	Identifiler® Plus, MiniFiler						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
Y3BKKZ	Identifiler®						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
YA24L3	Identifiler® , PowerPlex® 16 HS						
	1		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
YCWTZG	Identifiler® Plus						
	1	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
	-	-	-	9,9.3	9,10	16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

YJE2MT	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
YLLE7F	Identifiler® Plus, MiniFiler						
	1	N/A	18,23	-	13,16	11,13	10,10
		14,14	N/A	-	12,13	9,12	13,14
YQWCX9	PowerPlex® HS						
	1		29,29		X,X	11,11	23,23
		13,15			9,9.3	9,10	16,17
YT3Y87	Identifiler®						
	1	N/A	18,23	-	13,16	11,13	10,10
		14,14	N/A	-	12,13	9,12	13,14
YVUYHN	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
YXE29	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
Z2PDQ3	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
Z4VXD3	Identifiler®						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 1

ZEAYRN	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
ZEFAPF	ID+						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
ZFUH8G	Identifiler®						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
ZKNEUL	Identifiler® Plus						
	1		18,23		13,16	11,13	10
		13,15	29		X	11	23
ZNL6U7	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	22,23
ZPU9FG	Identifiler® Direct						
	1		18,23		13,16	11,13	10
		13,15	29		X,X	11	23
ZV8TZA	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
ZWX3HP	Identifiler® Plus						
	1		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

24GJUZ	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
24JA6P	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
2B86MR	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
2ECWRB	Identifiler® Plus, PowerPlex® 18D						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,[17]
2F6TBD	Identifiler® Plus, MiniFiler						
	2	N/A	23,25	N/A	15,16	11,12	9,11
		11,16	N/A	N/A	8,12	12,12	15,17
		15.2,16	28,31.2	N/A	X,Y	11,12	20,21
		N/A	N/A	N/A	9,10	8,11	14,17
2GKUF2	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
2GZD2J	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
2HA69E	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

2JCWD3	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
2KYPXJ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
2NM4NE	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16 15.2,16 -		- 28,31.2 -		8,12 X,Y 9,10	12,12 11,12 8,11
2U27EN	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
2U938Z	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
2UVD79	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
2ZB9UQ	Identifiler® PLUS						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
32Y23E	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11

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

39H9JJ	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
39YL4A	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
3ATB93	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
3BB4FR	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
3EUYHK	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
3J8282	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
3UPHXM	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
48AH4F	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

49K8MR	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
4J32K7	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
4NHCXA	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
4WARKT	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
4XWK6B	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
4Y969D	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
63ZYYQ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
64YVUF	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

68JZ96	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
69F3RF	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
6BLP6K	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
6ELUM7	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		15.2,16	28,31.2	-	X,Y	11,12	20,21
6H8FTZ	PowerPlex® 16						
	2				15,16	11,12	9,11
		9,13	11,15		X,Y	11,12	20,21
6BJVX	Profiler Plus						
	2				15,16	11,12	9,11
		11,16	28,31.2		X,Y		15,17
6KAKYU	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
6NPZLE	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

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

6Q2QYP	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
6VNRP3	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
6WHKGE	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
736KGR	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
78J4UT	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
7DM997	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
7LFE7D	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
7QAKUF	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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

7QNZUB	Identifiler® and ID Plus, Minifiler						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
7ZCWVB	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
87KEU4	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
893MQH	PowerPlex® FUSION, ESX17						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
89MC3C	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
8B6NRF	Identifiler® PLUS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
8BFAL4	Identifiler® Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
8CRWC6	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

8ERCFM	Globalfiler	2	11,15	23,25	11,14	15,16	11,12	9,11
			11,16	12,15	19,22	8,12	12,12	15,17
			15.2,16	28,31.2	15,15	X,Y	11,12	20,21
				29.2,30.2	9,10	8,11	14,17	
8ETZ4R	Identifiler®	2		23,25		15,16	11,12	9,11
			11,16			8,12	12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17	
8EZ4KP	PowerPlex® 21	2	11,15	23,25		15,16	11,12	9,11
			11,16		19,22	8,12	12,12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
			9,13	11,15		9,10	8,11	14,17
8G6UR6	Identifiler® Plus	2		23,25		15,16	11,12	9,11
			11,16			8,12	12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17	
8JTBYR	Identifiler®	2		23,25		15,16	11,12	9,11
			11,16			8,12	12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17	
8NYXM2	PowerPlex® 16	2				15,16	11,12	9,11
			11,16			8,12	12	15,17
				28,31.2		X,Y	11,12	20,21
			9,13	11,15		9,10	8,11	14,17
8QUZT	Identifiler® Plus	2		23,25		15,16	11,12	9,11
			11,16			8,12	12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17	
8VKTW7	Identifiler® Plus	2		23,25		15,16	11,12	9,11
			11,16			8,12	12	15,17
			15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17	

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

8ZQKQB	Identifiler® PLUS, PowerPlex® 16HS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9ALNVX	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9AYDWP	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9CPJE2	Identifiler® Plus						
	2	NA	23,25	NA	15,16	11,12	9,11
		11,16	NA	NA	8,12	12,12	15,17
		15.2,16	28,31.2	NA	X,Y	11,12	20,21
9F2JGU	Identifiler® Plus, PowerPlex® 18D						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9JMFTQ	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9M8288	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
9PFB2Q	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21

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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9QEYUT	Identifiler® and Identifiler Plus, PowerPlex® HS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
9RDT3Y	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9RDVPH	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9RWPCD	Identifiler® Plus						
	2	NT	23,25	NT	15,16	11,12	9,11
		11,16	NT	NT	8,12	12,12	15,17
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
		NT	NT	NT	9,10	8,11	14,17
9WLENB	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9X7W8N	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A2Z8LV	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A3CU6V	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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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A47R8A	Identifiler® plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15,2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A47RAV	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AA9RFQ	COfiler® and Profiler Plus®						
	2				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
							14,17
ABM3MW	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AJVWE4	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AJWUPY	GlobalFiler						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12	15,17
		15,2,16	28,31.2	15	X,Y	11,12	20,21
				29.2,30.2	9,10	8,11	14,17
AKDU22	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15,2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
AKPP92	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15,2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17

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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AMFNQ7	Identifiler® Minifiler, Identifiler Plus						
	2		23,35		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
ANBETE	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
APJJA9	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
AQDC48	PowerPlex® PowerPlex 16HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15	29.2,30.2	9,10	8,11	14,17
AWLQRW	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AWTMRW	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
AYUR6G	IDENTIFILER PLUS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17



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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B34L67	Identifiler® Identifiler Plus, Minifiler						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
B74R4Z	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
B7AR4Z	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
BBD2ME	PowerPlex® 16 HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
BGKGGW	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16			8,12	12	15,17
BJZKNU	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
BN86HT	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
BR8F82	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16			8,12	12	15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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BXWWWY	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
C6B39V	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
C8FQG7	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
CBXRT7	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
CBYRQK	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16 9,13	28,31.2 11,15		X,Y 9,10	11,12 8,11	20,21 14,17
CDHRPM	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16 9,13	28,31.2 11,15		X,Y 9,10	11,12 8,11	20,21 14,17
CJ7CUN	COfiler® and Profiler Plus®						
	2				15,16	11,12	9,11
		11,16			8,12		15,17
		28,31.2		X,Y		20,21 14,17	
CJA3V6	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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CJTW3	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
CLGB6P	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
CXF6J8	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
CZDKXW	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16	28,31.2		8,12	12	15,17
CZHUVF	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
DADG9D	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
DDND2M	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
DQ6DMF	PowerPlex®						
	2				15,16	11,12	9,11
		11,16	28,31.2		8,12	12	15,17
		9,13	11,15		X,Y	11,12	20,21
					9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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E73RLN	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
E78FLL	Profiler Plus						
	2				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
E7G7W4	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
E98DFF	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
E9XR9X	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
ECJGTB	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
ELCNNM	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
ELK2V4	Identifiler® Plus, PowerPlex® 16 HS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
	9,13	11,15		9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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ENWGP4	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
EPQBEL	Identifiler[sic] Plus and Minifiler						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
EXGUH9	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
F3EG4A	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
F4YM7D	Identifiler® , Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
FQYRZX	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		11,16	28,31.2		8,12	12	15,17
FRRHC6	Identifiler® Plus						
	2	n/t	23,25	n/t	15,16	11,12	9,11
		15.2,16	28,31.2	n/t	X,Y	11,12	20,21
FW92DL	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

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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FWAQNB	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
FWP62L	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
G7P2G9	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GAA7VX	Identifiler® and Id Plus, minifiler						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GCFDPC	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
GCR79T	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
GDB3QK	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GG64L8	Identifiler® Plus						
	2	n/a	23,25	n/a	15,16	11,12	9,11
		11,16	n/a	n/a	8,12	12,12	15,17
		15.2,16	28,31.2	n/a	X,Y	11,12	20,21
		n/a	n/a	n/a	9,10	8,11	14,17

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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GGEQC2	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
GJFYBK	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
GJGPK9	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
GLMABU	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
GQG7XZ	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		15.2,16	28,31.2	-	X,Y	11,12	20,21
GRNMXQ	PowerPlex® 16						
	2				15,16	11,12	9,11
		9,13	11,15		X,Y	11,12	20,21
GUEQ3J	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
GUZ9YD	PowerPlex® 16						
	2				15,16	11,12	9,11
		9,13	11,15		X,Y	11,12	20,21

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

GV9BTP	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
H7PBUQ	PowerPlex® ESI 16						
	2	11,15	23,25	11,14	15,16		
		11,16	12,15	19,22		12,12	15,17
HBXY8T	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
HG9UGW	Identifiler[sic] Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
HJRVFP	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
HMDLJE	Globalfiler						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
HV9VWH	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
HW4GMN	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17



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

HWV9LN	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
HX6K24	PowerPlex® 16						
	2	-	-	-	9,10	8,11	14,17
		11,16			15,16	11,12	9,11
			28,31.2		8,12	12	15,17
HXBRAR	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
J4E4RA	PowerPlex® PowerPlex 16						
	2				9,10	8,11	14,17
		11,16			15,16	11,12	9,11
			28,31.2		8,12	12	15,17
J4GRDU	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
J76ZLB	PowerPlex® Powerplex21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
J7YTCM	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
JA2P43	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

JB7MTC	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
JDQYD4	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
JJ7XB3	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
JKFR4G	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
JKFXFA	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
JMUAME	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
JNFZBC	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
JQMAN4	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

JVKTP2	Identifiler® PLUS						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
JXA87P	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JXAXJY	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JYB9UF	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JZB6P6	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
K3ZTMQ	Identifiler® , Minifiler						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
K7DPBZ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
K7H4KU	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

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

KCL888	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
KFM2GB	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
KHAUZR	PowerPlex® HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
KP8HWX	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
KQMMVW	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
KVYFX9	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
KYBJB4	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
KZAHUC	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

L2GJTF	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
LJBCLZ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
LNUCVE	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
LQL6ED	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
LWAZYG	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
LY7MFY	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y 9,10	11,12 8,11	20,21 14,17
	-	-	-				
M39ZHH	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17
	9,13	11,15					
M4FC87	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y 9,10	11,12 8,11	20,21 14,17

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

M6E84V	COfiler® and Profiler Plus® , PowerPlex®						
	2				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
M8CXY9	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
MFUA9U	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
MGTBFL	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
MJV3JR	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
MQF8J8	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
MVQFQ4	Identifiler® Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
MVUZD8	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

N2DKZJ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
N4AG26	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
N6PJ3C	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
N8EZBY	PowerPlex® 16						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
NA49T2	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
NA64ER	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
NGN7LU	Identifiler® Plus, MiniFiler						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
NH3FQN	Identifiler® Identifiler Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17

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

NLVQFT	COfiler® and Profiler Plus®						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
NUWWFP	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
NWKKJ3	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
NWZU6	PowerPlex® Fusion						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
NWYYY	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	
NXUJQ6	Identifiler® Plus						
	2	NT	23,25	NT	15,16	11,12	9,11
		11,16	NT	NT	8,12	12,12	15,17
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
	NT	NT	NT	9,10	8,11	14,17	
NYAUU4	PowerPlex® PowerPlex 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
PDKT6V	Identifiler® Direct						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	



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

PLWPH2	PowerPlex® 16						
	2				15,16	11,12	9,11
	11,16				8,12	12	15,17
PN7YBY	PowerPlex® 16						
	2		28,31.2		X,Y	11,12	20,21
	11,16						
PPCJYY	Identifiler® Plus						
	2		11,15		9,10	8,11	14,17
	11,16						
PVJV9E	Identifiler®						
	2		23,25		15,16	11,12	9,11
	11,16				8,12	12,12	15,17
Q67BD9	Identifiler®						
	2		28,31.2		X,Y	11,12	20,21
	11,16						
Q98AUT	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
Q98CJX	Identifiler® Plus						
	2		28,31.2		X,Y	11,12	20,21
	11,16						
QC6TWR	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

QEMBFV	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
QJ3PBG	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QKDGHC	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QPRX4N	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QRDZDF	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QUPJT6	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QVJCM4	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QWM9TY	PowerPlex® Fusion, ESX 17						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
		15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15	29.2,30.2	9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

QZ8Z42	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
R36XRY	IDplex Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
R8622Y	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
R8ALN3	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
RB9QDF	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
RUKJBG	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
RV79BV	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
RXJWWF	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

T3U7YB	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
T4GWM9	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
T7MJ7T	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
T82W2G	Identifiler® Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
T88BAB	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
TBLQZ3	PowerPlex®						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
TCEJTZ	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
TGLDAP	PowerPlex® fusion						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15		8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

TK73U3	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
TPCVNX	GlobalFiler						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
TRR2GU	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
TTP6EB	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
TV8EHG	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
TXRLFJ	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
U6NKNJ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
U7L2Q9	PowerPlex® HS						
	2				15,16	11,12	9,11
		11,16			8,12	12,12	15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

U99P29	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UA8NKG	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UEY34W	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UR44TK	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UVM7RD	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UWYXP2	PowerPlex® 21						
	2	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
UXAYEF	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
V7X8GH	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

VCBWBD	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VFPGC8	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
VHBCLT	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
VKJG8U	Identifiler® plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VLYMX6	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
VMLFHM	Identifiler® , MiniFiler						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VMU9PB	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
VR2TKV	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17

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

VR3G9Z	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21
VU8D9V	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VWFCUP	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VX2CED	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VX7N3A	PowerPlex® HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
VZHA6H	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
W2HW6Z	PowerPlex® 16						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
W9HEHQ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	



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

WC37UT	Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
WHQQVN	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
WJZZML	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
WQ32V3	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
WRXMJR	Identifiler® Identifiler Plus						
	2	NT	23,25	NT	15,16	11,12	9,11
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
WWCZLZ	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
X2FLM2	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
X2GLKG	PowerPlex® 16HS						
	2				15,16	11,12	9,11
		9,13	11,15		8,12	12	15,17

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

X2VR3R	Identifiler® Identifiler Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
X3BCNA	PowerPlex® 16						
	2		28,31.2		X,Y	11,12	20,21
		15.2,16			9,10	8,11	14,17
X4JBWX	PowerPlex® Fusion						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12	15,17
X4RAEE	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
XCZXZZ	Identifiler® Plus, PowerPlex® ESX17						
	2	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
XKQJ4D	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
XKXJB9	PowerPlex® 16 HS						
	2		28,31.2		X,Y	11,12	20,21
		15.2,16			9,10	8,11	14,17
XNM8GD	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

XNNT8Y	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
XP6ZQN	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
XT8RUU	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
XX3J3R	Identifiler® Plus, MiniFiler						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
Y3BKKZ	Identifiler®						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
YA24L3	Identifiler® , PowerPlex® 16 HS						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
YCWTZG	Identifiler® Plus						
	2	-	23,25	-	15,16	11,12	9,11
		15.2,16	28,31.2	-	X,Y	11,12	20,21
YJE2MT	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

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

YLLE7F	Identifiler® Plus, MiniFiler						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
YQWCX9	PowerPlex® HS						
	2				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
YT3Y87	Identifiler®						
	2	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
YVUYHN	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
YXEV29	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
Z2PDQ3	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
Z4VXD3	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
ZEAYRN	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 2

ZEFAPF	ID+						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
ZFUH8G	Identifiler®						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
ZKNEUL	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
ZNL6U7	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
ZPU9FG	Identifiler® Direct						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
ZV8TZA	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
ZWX3HP	Identifiler® Plus						
	2		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17

TABLE 2

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

24GJUZ	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
24JA6P	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
2B86MR	Identifiler®						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
2ECWRB	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
2F6TBD	Identifiler® Plus, MiniFiler						
	3	N/A	18,23	N/A	13,16	11,13	10,10
		14,14	N/A	N/A	12,13	9,12	13,14
		13,15	29,29	N/A	X,X	11,11	23,23
		N/A	N/A	N/A	9,9.3	9,10	16,17
2GKUF2	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
2GZD2J	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
2HA69E	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17

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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2JCWD3	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
2KYPXJ	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
2NM4NE	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14			12,13	9,12	13,14
2U27EN	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
2UVD79	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
2ZB9UQ	Identifiler® PLUS						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
32Y23E	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
39H9JJ	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

TABLE 2

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

39YL4A	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
3BB4FR	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
3EUYHK	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
3J8282	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
3UPHXM	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
48AH4F	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
49K8MR	PowerPlex® 16						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
4J32K7	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14



TABLE 2

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

4NHCXA	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
4WARKT	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
4XWK6B	PowerPlex® 16 HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
4Y969D	Identifiler® Plus, Minifiler						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
63ZYYQ	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
64YVUF	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
68JZ96	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
69F3RF	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14

TABLE 2

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

6BLP6K	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
6ELUM7	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
6H8FTZ	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
	10,11	7,8		9,9.3	9,10	16,17	
6BJVX	Profiler Plus						
	3				13,16	11,13	10,10
		14,14			12,13		13,14
		29,29		X,X		23,23	
						16,17	
6KAKYU	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
6NPZLE	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
6Q2QYP	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
	10,11	7,8		9,9.3	9,10	16,17	
6VNRP3	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X,X	11	23
	10,11	7,8		9,9.3	9,10	16,17	

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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6WHKGE	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
736KGR	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
78J4UT	Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
7DM997	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
7LFE7D	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
7QAKUF	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
7QNZUB	Identifiler® and ID Plus, Minifiler						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
7ZCWVB	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23

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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87KEU4	PowerPlex® 16 HS						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
	10,11		29		X	11	23
893MQH	PowerPlex® FUSION						
	3	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14		14,15	17,23	12,13	9,12	13,14
	13,15		29,29	15,16	X,X	11,11	23,23
8B6NRF	Identifiler® PLUS						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
8BFAL4	Identifiler® Identifiler Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
8CRWC6	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
8ERCFM	Globalfiler						
	3	15,18.3	18,23	10,11	13,16	11,13	10,10
	14,14		14,15	17,23	12,13	9,12	13,14
	13,15		29,29	15,16	X,X	11,11	23,23
8ETZ4R	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
8EZ4KP	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
	14,14			17,23	12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
	10,11		7,8		9,9.3	9,10	16,17

TABLE 2

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

8G6UR6	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
8JTBYR	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
8NYXM2	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
8QJUZT	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
8VKTW7	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
8ZQKQB	Identifiler® PLUS, PowerPlex® 16HS						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
9ALNVX	Identifiler Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
9AYDWP	Identifiler Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14

TABLE 2

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

9CPJE2	Identifiler® Plus						
	3	NA	18,23	NA	13,16	11,13	10,10
		14,14	NA	NA	12,13	9,12	13,14
		13,15	29,29	NA	X,X	11,11	23,23
		NA	NA	NA	9,9.3	9,10	16,17
9F2JGU	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
9JMFTQ	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
9M8288	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
9PFB2Q	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
9QEYUT	Identifiler® and Identifiler Plus, PowerPlex® HS						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
9RDT3Y	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
9RDVPH	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	

TABLE 2

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

9RWPCD	Identifiler® Plus						
	3	NT	18,23	NT	13,16	11,13	10,10
		14,14	NT	NT	12,13	9,12	13,14
		13,15	29,29	NT	X,X	11,11	23,23
		NT	NT	NT	9,9.3	9,10	16,17
9WLENB	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
9X7W8N	Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
A2Z8LV	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
A3CU6V	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
A47R8A	Identifiler® plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
A47RAV	PowerPlex® 16 HS						
	3				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
			29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
AA9RFQ	COfiler® and Profiler Plus®						
	3				13,16	11,13	10,10
		14,14			12,13		13,14
			29,29		X,X		23,23
						16,17	

TABLE 2

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

ABM3MW	PowerPlex® 16 HS	3			13,16	11,13	10
			14		12,13	9,12	13,14
				29	X	11	23
AJVWE4	PowerPlex® 16HS	10,11	7,8		9,9.3	9,10	16,17
		3			13,16	11,13	10
			14		12,13	9,12	13,14
AJWUPY	GlobalFiler		29		X	11	23
		3			13,16	11,13	10
			14		12,13	9,12	13,14
AKPP92	Identifiler® Plus	10,11	7,8		9,9.3	9,10	16,17
			14		12,13	9,12	13,14
			13,15	29	X	11	23
AMFNQ7	Identifiler® Minifiler, Identifiler Plus			19,28.2	9,9.3	9,10	16,17
		3			13,16	11,13	10
			14		12,13	9,12	13,14
ANBETE	Identifiler® Plus	13,15	29		X	11	23
					9,9.3	9,10	16,17
					13,16	11,13	10,10
APJJA9	Identifiler® Plus	14,14			12,13	9,12	13,14
			18,23		13,16	11,13	10,10
			14,14		12,13	9,12	13,14
AQDC48	PowerPlex® PowerPlex16HS	13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
					13,16	11,13	10
APJJA9	Identifiler® Plus	14,14			12,13	9,12	13,14
			18,23		13,16	11,13	10,10
			14,14		12,13	9,12	13,14
AQDC48	PowerPlex® PowerPlex16HS	13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
					13,16	11,13	10
AQDC48	PowerPlex® PowerPlex16HS	14			12,13	9,12	13,14
			18,23		13,16	11,13	10
			14		12,13	9,12	13,14
AQDC48	PowerPlex® PowerPlex16HS		29		X	11	23
		3			13,16	11,13	10
			14		12,13	9,12	13,14
AQDC48	PowerPlex® PowerPlex16HS	10,11	7,8		9,9.3	9,10	16,17
					13,16	11,13	10
			14		12,13	9,12	13,14



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

AWLQRW	PowerPlex® 16 HS						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
AWTMRW	Identifiler® Plus						
	3		18,23		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
AYUR6G	IDENTIFILER PLUS						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
B34L67	Identifiler® Identifiler Plus, Minifiler						
	3		18,23		X	11	23
	13,15		29		9,9.3	9,10	16,17
B74RNH	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
B7AR4Z	Identifiler® Plus						
	3		18,23		X,X	11,11	23,23
	13,15		29,29		9,9.3	9,10	16,17
BBD2ME	PowerPlex® 16 HS						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
BJZKNU	PowerPlex® 16						
	3				X	11	23
	10,11		7,8		9,9.3	9,10	16,17

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

BN86HT	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
BR8F82	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
BXWWWY	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
C6B39V	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
C8FQG7	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
CBXRT7	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
CBYRQK	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
CDHRPM							
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17

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

CJ7CUN	COfiler® and Profiler Plus®						
	3				13,16	11,13	10
	14				12,13		13,14
CJA3V6	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
CJTVW3	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
CLGB6P	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
CXF6J8	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
CZDKXW	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
CZHUVF	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
DADG9D	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14

TABLE 2

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

DDND2M	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
DQ6DMF	PowerPlex®						
	3				X	11	23
	13,15		29		9,9.3	9,10	16,17
E73RLN	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
E78FLL	Profiler Plus						
	3				X	11	23
	10,11		7,8		9,9.3	9,10	16,17
E7G7W4	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
E98DFF	PowerPlex® 21						
	3	15,18.3	18,23		X	11	23
	14,14			17,23	12,13	9,12	13,14
E9XR9X	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
	14				12,13	9,12	13,14
ECJGTB	Identifiler®						
	3		18,23		X	11	23
	13,15		29		9,9.3	9,10	16,17

TABLE 2

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

ELCNNM	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
ELK2V4	Identifiler® Plus, PowerPlex® 16HS						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
ENWGP4	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
EPQBEL	Identifiler Plus and Minifiler						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
EXGUH9	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
F3EG4A	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
F4YM7D	Identifiler® , Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
FQYRZX	PowerPlex® 16HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17

TABLE 2

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

FRRHC6	Identifiler® Plus						
	3	n/t	18,23	n/t	13,16	11,13	10,10
		14,14	n/t	n/t	12,13	9,12	13,14
		13,15	29,29	n/t	X,X	11,11	23,23
FW92DL	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
FWAQNB	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
FWP62L	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
G7P2G9	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
GAA7VX	Identifiler® and ID Plus, minifiler						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
GCFDPC	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
GCR79T	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X,X	11	23
	-	-	-	9,9.3	9,10	16,17	

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

GDB3QK	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
GG64L8	Identifiler® Plus						
	3	n/a	18,23	n/a	13,16	11,13	10,10
		14,14	n/a	n/a	12,13	9,12	13,14
GGEQC2	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		13,15	29		X	11	23
GJFYBK	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
GJGPK9	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
GLMABU	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
GQG7XZ	Identifiler®						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
GRNMXQ	PowerPlex® 16						
	3						
		14			12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17

TABLE 2

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

GUEQ3J	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
GUZ9YD	PowerPlex® 16						
	3				X	11	23
	13,15		29		9,9.3	9,10	16,17
GV9BTP	Identifiler Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
H7PBUQ	PowerPlex® ESI 16						
	3	15,18.3	18,23	10,11	13,16		
	14,14		14,15	17,23		9,12	13,14
HG9UGW	Identifiler Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
HJRVFP	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
HMDLJE	Globalfiler						
	3	15,18.3	inc	10,11	13,16	11,13	10,10
	14,14		14,15	17,23	12,13	9,12	13,14
HV9VWH	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				19,28.2	9,9.3	9,10	16,17
	13,15		29		X	11	23
					9,9.3	9,10	16,17



TABLE 2

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

HW4GMN	Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
HX6K24	PowerPlex® 16						
	3				X	11	23
		13,15	29		9,9.3	9,10	16,17
HXBRAR	Identifiler Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
J4E4RA	PowerPlex® PowerPlex 16						
	3				X,X	11	23
		10,11	7,8		9,9.3	9,10	16,17
J4GRDU	Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
J76ZLB	PowerPlex® Powerplex21						
	3	15,18.3	18,23		X	11	23
		14,14		17,23	12,13	9,12	13,14
J7YTCM	Identifiler® Plus						
	3		18,23		X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17
JA2P43	Identifiler® Plus						
	3		18,23		9,9.3	9,10	16,17
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

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

JB7MTC	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
JDQYD4	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
JJ7XB3	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
JKFR4G	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
JKFXFA	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
JMUAME	Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
JNFZBC	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
JQMAN4	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17

TABLE 2

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

JVKTP2	Identifiler® PLUS						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
JXA87P	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
JXAXJY	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
JYB9UF	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
JZB6P6	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
K3ZTMQ	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X,X	11	23
				9,9.3	9,10	16,17	
K7DPBZ	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
K7H4KU	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	

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

KCL888	Identifiler Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
KFM2GB	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
KHAUZR	PowerPlex® HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
	10,11	7,8		9,9.3	9,10	16,17	
KP8HWX	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
KQMMVW	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
KVYFX9	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
KYBJB4	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
KZAHUC	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
	13,15	29,29		X,X	11,11	23,23	
				9,9.3	9,10	16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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L2GJTF	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17
LJBCLZ	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17
LNUCVE	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17
LQL6ED	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17
LWAZYG	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17
LY7MFY	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
	14		-	-	12,13	9,12	13,14
	13,15		29	-	X	11	23
				9,9.3	9,10		16,17
M39ZHH	PowerPlex® 16HS						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11	7,8		9,9.3	9,10		16,17
M4FC87	Identifiler®						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
				9,9.3	9,10		16,17

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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M6E84V	COfiler® and Profiler Plus® , PowerPlex®						
	3				13,16	11,13	10,10
		14,14			12,13		13,14
			29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
M8CXY9	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
MFUA9U	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
MGTBFL	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
MJV3JR	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
		-	-	-	9,9.3	9,10	16,17
MVQFQ4	Identifiler® Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
MVUZD8	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
N2DKZJ	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17

TABLE 2

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

N4AG26	Identifiler®	3	-	18,23	-	13,16	11,13	10
			14	-	-	12,13	9,12	13,14
			13,15	29	-	X	11	23
			-	-	-	9,9.3	9,10	16,17
N6PJ3C	Identifiler® Plus	3		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17
N8EZBY	PowerPlex® 16	3				13,16	11,13	10
			14			12,13	9,12	13,14
				29		X	11	23
			10,11	7,8		9,9.3	9,10	16,17
NA49T2	Identifiler® Plus	3		18,23		13,16	11,13	10,10
			14,14			12,13	9,12	13,14
			13,15	29,29		X,X	11,11	23,23
						9,9.3	9,10	16,17
NA64ER	Identifiler®	3		18,23		13,16	11,13	10,10
			14,14			12,13	9,12	13,14
			13,15	29,29		X,X	11,11	23,23
						9,9.3	9,10	16,17
NGN7LU	Identifiler® Plus	3		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17
NH3FQN	Identifiler®	3		18,23		13,16	11,13	10
			14			12,13	9,12	13,14
			13,15	29		X	11	23
						9,9.3	9,10	16,17
NLVQFT	COfiler® and Profiler Plus®	3				13,16	11,13	10
			14			12,13	9,12	13,14
				29		X,X	11	23
						9,9.3	9,10	16,17

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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NUWWFP	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
NWKKJ3	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
NWZU6	PowerPlex® Fusion						
	3	15,18.3	18,23	10,11	13,16	11,13	10
		14	14,15	17,23	12,13	9,12	13,14
		13,15	29	15,16	X,X	11	23
		10,11	7,8		9,9.3	9,10	16,17
NWYYY	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
NXUJQ6	Identifiler® Plus						
	3	NT	18,23	NT	13,16	11,13	10,10
		14,14	NT	NT	12,13	9,12	13,14
		13,15	29,29	NT	X,X	11,11	23,23
		NT	NT	NT	9,9.3	9,10	16,17
NYAUU4	PowerPlex® PowerPlex 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
PDKT6V	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X,X	11	23
		-	-	-	9,9.3	9,10	16,17
PLWPH2	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17



TABLE 2

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

PN7YBY	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
PPCJYY	Identifiler® Plus						
	3		29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
PVJV9E	Identifiler®						
	3		18,23		13,16	11,13	10,10
	14				12,13	9,12	13,14
Q67BD9	Identifiler®						
	3		18,23		X	11	23
	13,15		29		9,9.3	9,10	16,17
Q98AUT	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
Q98CJX	Identifiler® Plus						
	3		18,23		X	11	23
	13,15		29		9,9.3	9,10	16,17
QC6TWR	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
QEMBFV	PowerPlex® 16						
	3				X	11	23
	10,11		7,8		9,9.3	9,10	16,17

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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QJ3PBG	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
QKDGHC	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
QPRX4N	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
QRDZDF	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
QUPJT6	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
QVJCM4	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
QWM9TY	PowerPlex® Fusion, ESX 17						
	3	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11,11	23,23
QZ8Z42	Identifiler®						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
	-	-	-	9,9.3	9,10	16,17	

TABLE 2

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

R36XRY	IDplex Plus						
	3		18,23		13,16,[19]	11,13	10,10
		14,14 13,15			[8],[10],12,13 X,[Y] [7],9,9.3	9,[11],12 [10],11 8,9,10	[12],13,14,[15] 23,23 16,17
R8622Y	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14 13,15			12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
R8ALN3	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14 13,15 10,11		17,23	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
RB9QDF	PowerPlex® 16						
	3				13,16	11,13	10
		14 10,11			12,13 X,X 9,9.3	9,12 11 9,10	13,14 23 16,17
RUKJBG	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14 13,15			12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
RV79BV	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14 13,15			12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
T3U7YB	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14 13,15			12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
T4GWM9	Identifiler® Plus, PowerPlex® 16 HS						
	3		18,23		13,16	11,13	10
		14 13,15 10,11			12,13 X,X 9,9.3	9,12 11 9,10	13,14 23 16,17

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

T7MJ7T	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
		-	-	-	9,9.3	9,10	16,17
T82W2G	Identifiler® identifiler Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
T88BAB	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
TBLQZ3	PowerPlex®						
	3	15,18.3	18,23		13,16	11,13	10,10
		14,14		17,23	12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8		9,9.3	9,10	16,17
TCEJ TZ	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
TGLDAP	PowerPlex® FUSION						
	3	15,18.3	18,23	10,11	13,16	11,13	10
		14	14,15		12,13	9,12	13,14
		13,15	29	15,16	X	11	23
		10,11	7,8		9,9.3	9,10	16,17
TK73U3	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
					9,9.3	9,10	16,17
TPCVNX	GlobalFiler						
	3	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11,11	23,23
				19,28.2	9,9.3	9,10	16,17

TABLE 2

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

TRR2GU	Identifiler Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
TV8EHG	PowerPlex® 16						
	3				X,X	11,11	23,23
		13,15	29,29		9,9.3	9,10	16,17
TXRLFJ	PowerPlex® 16HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
U6NKNJ	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
U7L2Q9	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
U99P29	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
UA8NKG	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
UEY34W	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14

TABLE 2

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

UR44TK	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
UVM7RD	Identifiler®						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
UWYXP2	PowerPlex® 21						
	3	15,18.3	18,23		13,16	11,13	10,10
	14,14			17,23	13,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
	10,11		7,8		9,9.3	9,10	16,17
UXAYEF	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X	11	23
					9,9.3	9,10	16,17
V7X8GH	PowerPlex® 16HS						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
VCBWBD	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
VFPGC8	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17
VHBCLT	PowerPlex® 16						
	3				13,16	11,13	10
	14				12,13	9,12	13,14
			29		X	11	23
	10,11		7,8		9,9.3	9,10	16,17

TABLE 2

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

VKJG8U	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
VLYMX6	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		13,15	29,29		X,X	11,11	23,23
VMLFHM	Identifiler®						
	3		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
VMU9PB	Identifiler Plus						
	3		18,23		13,16	11,13	10
		13,15	29,29		X	11	23
VR2TKV	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
VR3G9Z	PowerPlex® 16						
	3				13,16	11,13	10,10
		10,11	7,8		X,X	11,11	23,23
VU8D9V	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		13,15	29,29		X,X	11,11	23,23
VWFCUP	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		13,15	29,29		X	11	23

TABLE 2

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

VX2CED	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
VX7N3A	PowerPlex® HS						
	3				X,X	11	23
	14		29		9,9.3	9,10	16,17
VZHA6H	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
W2HW6Z	PowerPlex® 16						
	3				X	11	23
	14		29		9,9.3	9,10	16,17
W9HEHQ	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
WC37UT	Identifiler Plus						
	3		18,23		X,X	11,11	23,23
	13,15		29,29		9,9.3	9,10	16,17
WHQQVN	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
WJZZML	Identifiler® Plus						
	3		18,23		X,X	11,11	23,23
	13,15		29,29		9,9.3	9,10	16,17



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

WQ32V3	PowerPlex® 16HS						
	3				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
			29,29		X,X	11,11	23,23
WRXMJR	Identifiler® Identifiler Plus						
	3	NT	18,23	NT	13,16	11,13	10,10
		14,14	NT	NT	12,13	9,12	13,14
		13,15	29,29	NT	X,X	11,11	23,23
WWCZLZ	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
X2FLM2	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
X2GLKG	PowerPlex® 16HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
X2VR3R	Identifiler® Identifiler Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
X3BCNA	PowerPlex® 16						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
X4JBWX	PowerPlex® Fusion						
	3	15,18.3	18,23	10,11	13,16	11,13	10
		14	14,15	17,23	12,13	9,12	13,14
		13,15	29	15,16	X	11	23
	10,11	7,8	NT	9,9.3	9,10	16,17	

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

X4RAEE	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
XCZXX	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
XKQJ4D	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
XKXJB9	PowerPlex® 16 HS						
	3				13,16	11,13	10,10
		14,14			12,13	9,12	13,14
			29,29		X,X	11,11	23,23
XNM8GD	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10
		14	-	-	12,13	9,12	13,14
		13,15	29	-	X	11	23
XNNT8Y	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
XP6ZQN	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
XT8RUU	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23

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

XX3J3R	Identifiler® Plus, MiniFiler						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
Y3BKKZ	Identifiler®						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
YA24L3	Identifiler® , PowerPlex® 16 HS						
	3		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
			7,8		9,9.3	9,10	16,17
YCWTZG	Identifiler® Plus						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
			-		9,9.3	9,10	16,17
YJE2MT	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	
YLLE7F	Identifiler® Plus, MiniFiler						
	3	-	18,23	-	13,16	11,13	10,10
		14,14	-	-	12,13	9,12	13,14
		13,15	29,29	-	X,X	11,11	23,23
			-		9,9.3	9,10	16,17
YQWCX9	PowerPlex® HS						
	3				13,16	11,13	10
		14			12,13	9,12	13,14
			29		X	11	23
			7,8		9,9.3	9,10	16,17
YVUYHN	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3	9,10	16,17	

TABLE 2

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

YXEV29	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
Z2PDQ3	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14 13,15		29	12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
Z4VXD3	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
ZEAYRN	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
ZEFAPF	ID+						
	3		18,23		13,16	11,13	10
		14 13,15		29	12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
ZFUH8G	Identifiler®						
	3		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
ZKNEUL	Identifiler® Plus						
	3		18,23		13,16	11,13	10
		14 13,15		29	12,13 X 9,9.3	9,12 11 9,10	13,14 23 16,17
ZNL6U7	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17

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

ZPU9FG	Identifiler® Plus						
	3		18,23		13,16	11,13	10
	14				12,13	9,12	13,14
	13,15		29		X,X	11	23
					9,9.3	9,10	16,17
ZV8TZA	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17
ZWX3HP	Identifiler® Plus						
	3		18,23		13,16	11,13	10,10
	14,14				12,13	9,12	13,14
	13,15		29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17

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

2U938Z	Identifiler® Plus						
	3e		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	3e		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8	19,28.2	9,9.3	9,10	16,17
TTP6EB	Identifiler® Plus						
	3e		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
				9,9.3	9,10	16,17	

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

2U938Z	Identifiler® Plus						
	3sp						
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	3sp		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
		10,11	7,8	19,28.2	9,9.3	9,10	16,17
TTP6EB	Identifiler® Plus						
	3sp				16		
					9,9.3		16

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4

2U27EN	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,10	8,9,10,11	14,16,17
4Y969D	Identifiler® Plus, Minifiler						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
63ZYYQ	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3	8,9,10,11	14,16,17
6JBJVX	Profiler Plus						
	4				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
							14,17
8B6NRF	Identifiler® PLUS						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
9F2JGU	Identifiler® Plus						
	4		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15,17]
		13,15,[16]	[28],29,[31.2]		X,[Y]	11	[20,21],23
					9,9.3	[8],9,10,[11]	[14],16,17
AQDC48	PowerPlex® PowerPlex 16HS						
	4				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
CJ7CUN	COfiler® and Profiler Plus®						
	4				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
							14,17



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4

E78FLL	Profiler Plus						
	4				15,16	11,12	9,11
		11,16			8,12		15,17
ECJGTB	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
EPQBEL	Identifiler Plus and Minifiler						
	4		18,23,25		13,15,16	11,12	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
EXGUH9	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
G7P2G9	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
JNFZBC	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
JXA87P	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
LJBCLZ	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17

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

M6E84V	COfiler® and Profiler Plus® , PowerPlex®						
	4				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13		13,14,[15],[17]
			[28],29,[31.2]		X,Y	11,[12]	[20],[21],23
					9,9.3,10	[8],9,10,[11]	[14],16,17
M8CX9	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
QJ3PBG	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
R36XRY	IDplex Plus						
	4		18,23		13,[15],16	11,[12],[13]	10,[11],[12]
		[11],14,[16]			8,12,13	9,[11],12,[13]	12,13,14,15,[17]
		13,15,[16]	29,29		X,[Y]	[10],11,[12]	[21],23
					[7],9,9.3	8,9,10	[14],16,17
RV79BV	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
TK73U3	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3	8,9,10,11	14,16,17
UVM7RD	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
VX2CED	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17

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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X2VR3R	Identifiler® Identifiler Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11		14,16,17
XNNT8Y	Identifiler® Plus						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3	8,9,10,11		14,16,17
YXEV29	Identifiler®						
	4		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11		14,16,17

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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24GJUZ	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
24JA6P	Identifiler® Plus						
	4e		18,23,[25]		13,16	11,12,13	10,[11]
		[11],14,[16]			8,12,13	9,12	13,14,[15],[17]
2B86MR	Identifiler®						
	4e	-	18,23,25	-	[13],15,16	11,12,[13]	9,10,11
		11,14,16	-	-	8,12,[13]	[9],12	[13],[14],15,17
2ECWRB	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
2F6TBD	Identifiler® , MiniFiler						
	4e	N/A	18,23,25	N/A	13,15,16	11,12,13	9,10,11
		11,14,16	N/A	N/A	8,12,13	9,12	13,14,15,17
2GKUF2	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	10
		11,14,16			8,12,13	9,12	13,14,15,17
2GZD2J	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
2HA69E	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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2JCWD3	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
2KYPXJ	Identifiler® Plus						
	4e	[11],14,[16] 13,15,15.2,16	18,23,[25] [28],29,[31.2]		13,15,16 8,12,13 X,[Y] 9,9.3,[10]	11,12,13 9,12 11,[12] 8,9,10,11	[9],10,[11] 13,14,15,17 [20],[21],23 [14],16,17
2NM4NE	Identifiler® Plus						
	4e	- [11],14,[16] 13,15,[15.2],[16] -	18,23,[25] - [28],29,[31.2] -	- - - -	13,[15],16 [8],12,13 X,[Y] 9,9.3,[10]	11,[12],13 9,12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,[15],[17] [20],[21],23 [14],16,17
2U938Z	Identifiler® Plus						
	4e	11,14,[16] 13,15,15.2,16	18,23,25 28,29,[31.2]		13,15,16 8,12,13 X,[Y] 9,9.3,10	11,12,13 9,12 11,[12] 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
2UVD79	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
2ZB9UQ	Identifiler® PLUS						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
32Y23E	Identifiler® Plus						
	4e	14,14 13,15	18,23 29,29		13,16 12,13 X,X 9,9.3	11,13 9,12 11,11 9,10	10,10 13,14 23,23 16,17
39H9JJ	Identifiler®						
	4e	[11],14,[16] 13,15,[15.2],[16]	18,23,[25] [28],29,[31.2]		13,[15],16 [8],12,13 X,[Y] 9,9.3,[10]	11,[12],13 9,12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,[15],[17] [20],[21],23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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39YL4A	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
3BB4FR	PowerPlex® 21						
	4e	[11],15,18.3	18,23,[25]		13,[15],16	11,13	10,10
		[11],14,[16]		17,[19],[22],23	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2]	29,[31.2]		X,[Y]	11,[12]	[20],[21],23
	10,11,[13]	7,8		9,9.3,[10]	9,10	[14],16,17	
3EUYHK	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
3J8282	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,16	28,29,31.2		X,Y 9,9.3	11,12 8,9,10,11	20,21,23 14,16,17
3UPHXM	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y 9,9.3,10	11,12 8,9,10,11	20,21,23 14,16,17
48AH4F	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,[15],17
		13,15,15.2,16	28,29,31.2		X,Y 9,9.3	11,12 8,9,10,11	20,21,23 14,16,17
49K8MR	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	
4J32K7	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15]
		13,15,[16]	29,[31.2]		X,[Y] 9,9.3	11,[12] [8],9,10,[11]	[20],[21],23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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4NHCXA	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
4WARKT	PowerPlex® 21						
	4e	11,15,18.3	18,23		13,15,16	11,12,13	10,11
		11,14,16		17,19,22,23	12,13	9,12	13,14,15,17
		13,15,15.2,16 9,10,11,13	28,29,31.2 7,8,11,15		X,Y 9,9.3,10	11,12 8,9,10,11	20,21,23 14,16,17
4XWK6B	PowerPlex® 16 HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		28,29,31.2		X,Y	11,12	20,21,23	
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	
64YVUF	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	[9],12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
68JZ96	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
69F3RF	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,[11]
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 [8],9,10,[11]	13,14,[15],17 20,21,23 14,16,17
6BLP6K	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
6ELUM7	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16 -	28,29,31.2 -	-	X,Y 9,9.3,10	11,12 8,9,10,11	20,21,23 14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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6H8FTZ	PowerPlex® 16						
	4e				[13],[15],16	11,12,[13]	9,10,11
		11,14,16			8,12,[13]	[9],12	13,14,15,17
6KAKYU	Identifiler®						
	4e		28,29,31.2		X,Y	11,[12]	[20],[21],23
		9,10,11,[13]	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
6NPZLE	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
6Q2QYP	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	10,11
		11,14,16		17,19,22,23	8,12,13	9,12	13,14,15,17
6VNRP3	PowerPlex® 16						
	4e				13,[15],16	11,12,13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
6WHKGE	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
736KGR	Identifiler® Plus						
	4e		28,29,31.2		X,Y	11,[12]	[20],[21],23
		[9],10,11,[13]	7,8,[11],[15]		9,9.3,[10]	[8],9,10,[11]	[14],16,17
78J4UT	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10
		[11],14,14			[8],12,13	9,12	13,14,[15]
Test No. 14-576							
		13,15,[16]	29,29,[31.2]		X,X	11,11,[12]	23,23
					9,9.3,[10]	[8],9,10	16,17
( 168 )	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
Copyright © 2015 CTS, Inc		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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7DM997	Identifiler® Plus						
	4e	-	18,23	-	13,[15],16	11,12,13	[9],10
		14	-	-	[8],12,13	9,12	13,14,17
		13,15,15.2	[28],29,[31.2]	-	X	11	23
	-	-	-	9,9.3	8,9,10	14,16,17	
7LFE7D	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
				9,9.3,10	9,10	16,17	
7QAUF	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
				9,9.3,[10]	[8],9,10,[11]	[14],16,17	
7QNZUB	Identifiler® and ID Plus, Minifiler						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,15,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3	8,9,10,11	14,16,17	
7ZCWB	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],17
		13,15,[15.2],16	[28],29,[31.2]		X,[Y]	11,[12]	[20,21],23
				9,9.3,[10]	[8],9,10,[11]	[14],16,17	
87KEU4	PowerPlex® 16 HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,17
			28,29,31.2		X,Y	11,12	20,21,23
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	
893MQH	PowerPlex® FUSION						
	4e	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
		13,15	29,29	15,16	X,X	11,11	23,23
	10,11	7,8		9,9.3	9,10	16,17	
8BFAL4	Identifiler® Identifiler Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11	14,16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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8CRWC6	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
8ERCFM	Globalfiler						
	4e	[11],15,18.3	18,23,[25]	10,11,[14]	13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],16	[28],29,[31.2]	17,[22],23 15,16 19,28.2,[29.2]	[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],17 [20,21],23 [14],16,17
8ETZ4R	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
8EZ4KP	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	10,11
		11,14,16 13,15,15.2,16 9,10,11,13	28,29,31.2	17,19,22,23	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
8G6UR6	Identifiler® Plus						
	4e		18,23		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10	13,14,15,17 20,21,23 14,16,17
8JTBYR	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
8NYXM2	PowerPlex® 16						
	4e				13,[15],16	11,12,13	[9],10,11
		[11],14,[16] [9],10,11,[13]	28,29,[31.2] 7,8,[11],[15]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11 [8],9,10,[11]	13,14,[15],[17] [20],21,23 [14],16,17
8QUJZT	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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8VKTW7	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
8ZQKQB	Identifiler® PLUS, PowerPlex® 16HS						
	4e		18,23		13,16	11,13	10
		14			12,13	9,12	13,14
		13,15	29		X	11	23
		10,11	7,8		9,9.3	9,10	16,17
9ALNVX	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
9AYDWP	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3	[8],9,10,[11]	[14],16,17
9CPJE2	Identifiler® Plus						
	4e	NA	18,23,[25]	NA	13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16]	NA	NA	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,29,[31.2]	NA	X,X,[Y]	11,11,[12]	[20],[21],23,23
		NA	NA	NA	9,9.3	[8],9,10,[11]	[14],16,17
9JMFTQ	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
9M8288	Identifiler® Plus						
	4e		18,23		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
9PFB2Q	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],17
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20,21],23
					9,9.3	[8],9,10,[11]	[14],16,17

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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9QEYUT	Identifiler® and Identifiler Plus, PowerPlex® HS						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
9RDT3Y	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
9RDVPH	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3	8,9,10,11	14,16,17
9RWPCD	Identifiler® Plus						
	4e	NT	18,23,[25]	NT	13,15,16	11,12,13	[9],10,10,[11]
		11,14,16	NT	NT	8,12,13	9,12	13,14,15,17
		13,15,[15.2],[16]	28,29,31.2	NT	X,X,[Y]	11,12	20,21,23
		NT	NT	NT	9,9.3,[10]	[8],9,10,[11]	[14],16,17
9WLENB	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
9X7W8N	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[16]	[28],29,[31.2]		X,[Y]	11	[20],[21],23
					9,9.3	[8],9,10,[11]	[14],16,17
A2Z8LV	Identifiler® Plus						
	4e		18,23,(25)		13,(15),16	11,12,13	(9),10,10,(11)
		(11),14,14,(16)			8,12,13	9,12	13,14,(15),(17)
		13,15,(15.2),(16)	(28),29,29,(31.2)		X,X,(Y)	11,11,(12)	20,21,23
					9,9.3,10	(8),9,10,(11)	(14),16,17
A3CU6V	Identifiler® Plus						
	4e		18,23,[25]		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,[Y]	11,[12]	20,21,23
					9,9.3,10	8,9,10,11	14,16,17

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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A47R8A	Identifiler® plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,10
		[11],14,[16]			[8],12,13	9,12	13,14
		13,15	[28],29		X,X	11,11	23,23
					9,9,3,[10]	[8],9,10	16,17
A47RAV	PowerPlex® 16 HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9,3,10	8,9,10,11	14,16,17
AA9RFQ	COfiler® and Profiler Plus®						
	4e				13,15,16	11,12,13	10,11
		11,14,16			8,12,13		13,14,15,17
			29,31.2		X,Y		20,21,23
							14,16,17
ABM3MW	PowerPlex® 16 HS						
	4e				13,15,16	11,12,13	9,10,11
		14			8,12,13	9,12	13,14
			29		X,Y	11	20,21,23
		10,11	7,8		9,9,3,10	8,9,10,11	14,16,17
AJVWE4	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,17
			28,29,31.2		X,Y	11,12	20,21,23
		10,11	7,8,11,15		9,9,3,10	8,9,10,11	14,16,17
AJWUPY	GlobalFiler						
	4e	[11],15,18.3	18,23,25	10,11,14	13,15,16	11,12,13	[9],10,[11]
		[11],14,[16]	12,14,15	17,[19],[22],23	8,12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]	15,16	X,Y	11,[12]	[20],[21],23
				19,28.2,[29.2],[30.2]	9,9,3,10	[8],9,10,[11]	14,16,17
AKPP92	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
		-	-	-	9,9.3	8,9,10,11	14,16,17
AMFNQ7	Identifiler® Minifiler, Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3	[8],9,10,[11]	[14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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ANBETE	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
APJJA9	Identifiler® Plus						
	4e		18,23		13,16	11,13	10,10
		14,14 13,15	29,29		12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 9,10,11,13	28,29,31.2	19,28.2,29.2,30.2	8,12,13 X,X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
AWLQRW	PowerPlex® 16 HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
AWTMRW	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
AYUR6G	IDENTIFILER PLUS						
	4e		18,23,25		13,15,16	11,13	9,10,11
		11,14 13,15,15.2	28,29,31.2		8,12,13 X 9,9.3	9,12 11 9,10	13,14 21,23 14,16,17
B34L67	Identifiler® Identifiler Plus, Minifiler						
	4e		18,23,25		13,16	11,12,13	10,11
		11,14,16 13,15,16	28,29,31.2		8,12,13 X 9,9.3	9,12 11,12 9,10	13,14,15,17 20,23 16,17
B74RNH	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17

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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B7AR4Z	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10
		11,14,16			8,12,13	9,12	13,14,15,17
BBD2ME	PowerPlex® 16 HS						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
BJZKNU	PowerPlex® 16						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
BN86HT	Identifiler® Plus						
	4e		18,23,(25)		13,(15),16	11,(12),13	(9),10,10,(11)
		(11),14,14,(15),(16)			(8),12,13	9,12	13,14,(15),(17)
BR8F82	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10
		11,14,16	-	-	12,13	9,12	13,14,15
BXWWWY	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
C6B39V	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,16			[8],12,13	9,12	13,14,[15],[17]
C8FQG7	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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CBXRT7	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,[11]
		11,14,16 13,15,15.2,[16]	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,[12] 8,9,10,[11]	13,14,[15],17 20,21,23 14,16,17
CBYRQK	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 9,10,11,13	28,29,31.2	17,19,22,23	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
			7,8,11,15				
CDHRPM	PowerPlex® 21						
	4e	15,18.3	18,23		13,16	11,13	10,10
		14,14 13,15 10,11	29,29	17,23	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
			7,8				
CJA3V6	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,12,13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11 [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
CJTVW3	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10
		[11],14,[16] 13,15,[15.2],16	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],17 [20,21],23 [14],16,17
CLGB6P	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
CXF6J8	Identifiler® Plus						
	4e		18,23		13,[15],16	11,12,13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11 [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
CZDKXW	PowerPlex® 16						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		14			[8],12,13	9,12	13,14
			29		X,[Y]	11	[20,21],23
	10,11	7,8		9,9.3,[10]	[8],9,10	[14],16,17	



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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CZHUVF	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
DADG9D	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
DDND2M	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2,16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[17] [20,21],23 [14],16,17
DQ6DMF	PowerPlex®						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 9,10,11,13	28,29,31.2 7,8,11,15		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
E73RLN	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 9,10,11,13	28,29,31.2 7,8,11,15		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
E7G7W4	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,[17] 20,21,23 14,16,17
E98DFF	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 9,10,11,13	28,29,31.2	17,19,22,23	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
E9XR9X	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 -	- 28,29,31.2 -	- - -	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4e

ELCNNM	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
ELK2V4	Identifiler® Plus, PowerPlex® 16HS						
	4e	14 13,15 10,11	18,23 29 7,8		13,16 12,13 X 9,9.3	11,13 9,12 11 9,10	10 13,14 23 16,17
ENWGP4	Identifiler® , Minifiler						
	4e	[11],14,[16] 13,15,[15.2],[16]	18,23,[25] [28],29,[31.2]		13,[15],16 [8],12,[13] X,[Y] 9,9.3,[10]	11,[12],[13] [9],12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,[15],[17] [20],[21],23 [14],16,17
F3EG4A	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
F4YM7D	Identifiler® , Identifiler Plus						
	4e	14,16* 13,15	18,23 29		13,16* 12 X 9,9.3,10	11 9,12 11* 8,9,10,11	10 13,14 23 16,17
FQYRZX	PowerPlex® 16HS						
	4e	11,14,16 9,10,11,13	28,29,31.2 7,8,11,15		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
FRRHC6	Identifiler® Plus						
	4e	n/t [11],14,14,[16] 13,15,[15.2],[16] n/t	18,23,[25] n/t [28],29,29,[31.2] n/t	n/t n/t n/t n/t	13,[15],16 [8],12,13 X,X,[Y] 9,9.3,[10]	11,12,13 9,12 11,11,[12] 8,9,10,11	[9],10,10,[11] 13,14,15,17 [20],[21],23,23 [14],16,17
FW92DL	Identifiler®						
	4e	[11],14,[16] 13,15,[15.2],[16]	18,23,[25] 28,29,31.2		13,15,16 8,12,13 X,[Y] 9,9.3,[10]	11,12,13 9,12 11,[12] [8],9,10,[11]	9,10,11 13,14,[15],[17] 20,21,23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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FWAQNB	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11		14,16,17
FWP62L	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11		14,16,17
GAA7VX	Identifiler® and Id Plus, minifiler						
	4e		18,23		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11	20,21,23
				9,9.3	9,10,11		14,16,17
GCFDPC	PowerPlex® 21						
	4e	[11],15,18.3	18,23,[25]		13,[15],16	11,13	[9],10,[11]
		[11],14,[16]		17,[19],[22],23	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
	10,11,[13]	7,8,[11],[15]		9,9.3,[10]	9,10,[11]	[14],16,17	
GCR79T	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
	-	-	-	9,9.3,10	8,9,10,11		14,16,17
GDB3QK	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
				9,9.3,[10]	[8],9,10,[11]		[14],16,17
GG64L8	Identifiler® Plus						
	4e	n/a	18,23,[25]	n/a	13,[15],16	11,[12],13	10,[11]
		[11],14,[16]	n/a	n/a	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	29,[31.2]	n/a	X,[Y]	11,[12]	[20],[21],23
	n/a	n/a	n/a	9,9.3,[10]	[8],9,10,[11]		[14],16,17
GGEQC2	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,[16]	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	[8],9,10,[11]		14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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GJFYBK	Identifiler®						
	4e		18,23,(25)		13,(15),16	11,(12),13	(9),10,(11)
		(11),14,(16)			(8),12,13	9,12	13,14,(15),(17)
GJGPK9	Identifiler® Plus						
	4e		18,23,(25)		13,(15),16	11,(12),13	(9),10,(11)
		13,15,(15.2),(16)	(28),29,(31.2)		X,(Y)	11,(12)	(20),(21),23
GLMABU	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
GQG7XZ	Identifiler®						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
GRNMXQ	PowerPlex® 16						
	4e		29,[31.2]		X,(Y)	11,[12]	[20],[21],23
		[11],14,[16]	7,8,[11]		9,9.3,[10]	[8],9,10,[11]	[14],16,17
GUEQ3J	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		13,15,15.2,16	28,29,31.2		X,(Y)	11,[12]	20,21,23
GUZ9YD	PowerPlex® 16						
	4e		28,29,31.2		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
GV9BTP	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		13,15,[15.2],[16]	[28],29,[31.2]		X,(Y)	11,[12]	[20],[21],23

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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H7PBUQ	PowerPlex® ESI 16						
	4e	[11],15,18.3	18,23,[25]	10,11,[14]	13,[15],16		
		[11],14,[16]	[12],14,15	17,[19],[22],23		9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]	15,16	X,[Y]		[20],[21],23
					9,9.3,[10]		[14],16,17
HG9UGW	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
HJRVFP	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
HMDLJE	Globalfiler						
	4e	(11),15,18.3	18,23,(25)	10,11,(14)	13,(15),16	11,(12),13	10,10
		14,14	(12),14,15	17,(19),(22),23	(8),12,13	9,12	13,14
		13,15,(15.2),(16)	(28),29,29,(31.2)	15,16	X,X,(Y)	11,11	(20),(21),23,23
				19,28.2,(29.2),(30.2)	9,9.3,(10)	(8),9,10,(11)	(14),16,17
HV9VWH	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,[31.2]		X,[Y]	11,[12]	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
HW4GMN	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],17
		13,15,[16]	29,[31.2]		X	11,[12]	[20,21],23
					9,9.3	[8],9,10,[11]	[14],16,17
HX6K24	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
HXBRAR	Identifiler Plus						
	4e		18,23		13,16	11,13	10,10
		14,14			12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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J4E4RA	PowerPlex® PowerPlex 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
J4GRDU	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10
		14			12,13	9,12	13,14
		13,15,[16]	29		X	11	23
					9,9.3	[8],9,10	[14],16,17
J76ZLB	PowerPlex® Powerplex21						
	4e	(11),15,18.3	18,23,(25)		13,(15),16	11,(12),13	(9),10,(11)
		(11),14,(16)		17,(19),23	(8),12,13	9,12	13,14,(15),(17)
		13,15,(15.2),(16)	(28),29,(31.2)		X,(Y)	11,(12)	(20),(21),23
		(9),10,11	7,8,(11)		9,9.3	(8),9,10	16,17
J7YTCM	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
JA2P43	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,(Y)	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
JB7MTC	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,15,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3	8,9,10,11	14,16,17
JDQYD4	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
JJ7XB3	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15]
		13,15,[15.2],[16]	[28],29,[31.2]		X,(Y)	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10	[14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4e

JKFR4G	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16		28,29,31.2	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
JKFXFA	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]		[28],29,[31.2]	[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
JMUAME	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],16		[28],29,[31.2]	[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],17 [20,21],23 [14],16,17
JQMAN4	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],16		[28],29,[31.2]	[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
JVKTP2	Identifiler® PLUS						
	4e		18,23		13,16	11,13	10,10
		14,14 13,15		29,29	12,13 X,X 9,9.3	9,12 11,11 9,10	13,14 23,23 16,17
JXAXJY	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16		28,29,[31.2]	8,12,13 X,Y 9,9.3	9,12 11,12 [8],9,10,[11]	13,14,[15],[17] 20,[21],23 14,16,17
JYB9UF	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]		[28],29,[31.2]	[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
JZB6P6	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16  9,10,11,13		28,29,31.2 7,8,11,15	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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K3ZTMQ	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
K7DPBZ	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16] 13,15,[15.2],[16]	[28],29,29,[31.2]		[8],12,13 X,X,[Y] 9,9.3,[10]	9,12 11,11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23,23 [14],16,17
K7H4KU	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,11 [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
KCL888	Identifiler Plus						
	4e		18,23,25		13,16	11,12,13	10,11
		11,14,16 13,15	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10	13,14,15,17 20,21,23 14,16,17
KFM2GB	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 9,10,11	28,29,31.2	17,19,22,23	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
KHAUZR	PowerPlex® HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
KP8HWX	Identifiler®						
	4e		[18],23,25		[13],15,16	11,12,[13]	9,[10],11
		11,[14],16 [13],[15],15.2,16	28,[29],31.2		8,12,[13] X,Y 9,[9.3],10	[9],12 11,12 8,[9],[10],11	[13],[14],15,17 20,21,[23] 14,[16],17
KQMMVW	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 -	28,29,31.2	-	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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KVYFX9	PowerPlex® 21						
	4e	[11],15,18.3	18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16]		17,[19],[22],23	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	29,[31.2]		X,[Y]	11,[12]	[20],[21],23
	[9],10,11,[13]	7,8,[11],[15]		9,9.3,[10]	[8],9,10,[11]	[14],16,17	
KYBJB4	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	9,10	14,16,17	
KZAHUC	Identifiler® Plus						
	4e		18,23,(25)		13,15,16	11,12,13	(9),10,10,(11)
		(11),14,14,(16)			8,12,13	9,12	13,14,(15),(17)
		13,15,15.2,(16)	28,29,(31.2)		X,X,(Y)	11,11,(12)	(20),(21),23,23
				9,9.3,(10)	(8),9,10,(11)	(14),16,17	
L2GJTF	Identifiler® Plus						
	4e		18,23,(25)		13,(15),16	11,(12),13	10,(11)
		(11),14,(16)			12,13	9,12	13,14,(17)
		13,15,(15.2),(16)	(28),29,(31.2)		X	11,(12)	(20,21),23
				9,(9.3),(10)	9,10,(11)	16,17	
LNUCVE	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11	14,16,17	
LQL6ED	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11	14,16,17	
LWAZYG	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,9.3,10	8,9,10,11	14,16,17	
LY7MFY	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29	-	X,Y	11,12	20,21,23
	-	-	-	9,9.3,10	8,9,10	14,16,17	

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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M39ZHH	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
M4FC87	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20,21],23
					9,9.3	[8],9,10,[11]	[14],16,17
MFUA9U	Identifiler® Plus						
	4e	-	18,23,[25]	-	13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]	-	-	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]	-	X,[Y]	11,[12]	[20],[21],23
		-	-	-	9,9.3,[10]	[8],9,10,[11]	[14],16,17
MGTBFL	Identifiler® Plus						
	4e		18,23		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14
		13,15,15.2,16	29,31.2		X,Y	11	20,21,23
					9,9.3,10	9,10,11	16,17
MJV3JR	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
		-	-	-	9,9.3,10	8,9,10,11	14,16,17
MVQFQ4	Identifiler® Identifiler Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3	8,9,10,11	14,16,17
MVUZD8	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16		17,19,22,23	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,[Y]	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
N2DKZJ	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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N4AG26	Identifiler®						
	4e		[18],23,[25]		13,15,16	11,[12],[13]	[9],10,[11]
		[11],14,[16] 13,15,15.2,16			[8],12,13 X,Y 9,9.3,[10]	9,12 11,[12]	13,14,[15],[17] [20],[21],23 [14],16,17
N6PJ3C	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16		28,29,31.2	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
N8EZBY	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 9,10,11,13		28,29,31.2 7,8,11,15	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
NA49T2	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16		28,29,31.2	8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
NA64ER	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2		28,29,31.2	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 16,17
NGN7LU	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	[9],10,[11]
		[11],14,16 13,15,[15.2],[16]		28,29,31.2	8,12,13 X,Y 9,9.3	9,12 11,[12] [8],9,10,11	13,14,[15],[17] [20],[21],23 [14],16,17
NH3FQN	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16		28,29,31.2	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
NLVQFT	COfiler® and Profiler Plus®						
	4e				13,[15],16	11,[12],[13]	[9],10,[11]
		[11],14,[16]		[28],29,[31.2]	[8],12,13 X,(Y) 9,9.3,[10]	9,12 11,[12*] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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NUWWFP	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,Y	11,[12]	[20],[21],23
				9,9.3	[8],9,10,[11]	[14],16,17	
NWKKJ3	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,[17]
		13,15,15.2,[16]	28,29,[31.2]		X,Y	11,[12]	20,21,23
				9,9.3	8,9,10,11	14,16,17	
NWZU6	PowerPlex® Fusion						
	4e	11,15,18.3	18,23,25	10,11,14	13,15,16	11,12,13	9,10,11
		11,14,16	12,14,15	17,19,22,23	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	15,16	X,(Y)	11,12	20,21,23
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	
NWYYY	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
	-	-	-	9,9.3,10	8,9,10,11	14,16,17	
NXUJQ6	Identifiler® Plus						
	4e	NT	18,23,[25]	NT	13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]	NT	NT	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]	NT	X,(Y)	11,[12]	[20],[21],23
	NT	NT	NT	9,9.3	[8],9,10,[11]	[14],16,17	
NYAUU4	PowerPlex® PowerPlex 21						
	4e	[11],15,18.3	18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16]		17,[19],[22],23	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,(Y)	11,11	[20],[21],23
	[9],10,11,[13]	7,8,[11],[15]		9,9.3,[10]	[8],9,10,[11]	[14],16,17	
PDKT6V	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16	-	-	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
	-	-	-	9,9.3,10	8,9,10,11	14,16,17	
PLWPH2	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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PN7YBY	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
PPCJYY	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
PVJV9E	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
Q67BD9	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
Q98AUT	Identifiler® Plus						
	4e		18,23,[25]		13,15,16	11,12,13	[9],10,[11]
		11,14,[16]			8,12,13	9,12	13,14,[15],[17]
Q98CJX	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
QC6TWR	Identifiler® Plus						
	4e		18,23		13,[15],16	11,[12],13	[9],10
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
QEMBFV	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		28,29,31.2			X,Y	11,12	20,21,23
	9,10,11,13	7,8,11,15			9,9.3,10	8,9,10,11	14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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QKDGHC	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	[9],12	13,14,[15],17
	13,15,[15.2],16	[28],29,[31.2]		X,Y	11,[12]	[20,21],23	
				9,9.3	[8],9,10,[11]	[14],16,17	
QPRX4N	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
	13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23	
				9,9.3,10	8,9,10,11	14,16,17	
QRDZDF	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
	13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23	
				9,9.3,10	8,9,10,11	14,16,17	
QUPJT6	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16		17,19,22,23	8,12,13	9,12	13,14,15,17
	13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23	
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	
QVJCM4	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16]			[8],12,13	9,12	13,14,[15],17
	13,15,[15.2],16	[28],29,29,[31.2]		X,X,[X,Y]	11,11,[12]	[20,21],23,23	
				9,9.3,[10]	[8],9,10,[11]	[14],16,17	
QWM9TY	PowerPlex® Fusion, ESX 17						
	4e	15,18.3	18,23	10,11	13,16	11,13	10,10
		14,14	14,15	17,23	12,13	9,12	13,14
	13,15	29,29	15,16	X,X	11,11	23,23	
	10,11	7,8	19,28.2	9,9.3	9,10	16,17	
QZ8Z42	Identifiler®						
	4e	-	18,23	-	no result	11	10
		11,14,16	-	-	8	9,12	13
	no result	29,31.2	-	X	11	no result	
	-	-	-	9	no result	17	
R8622Y	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,[12],13	9,10,[11]
		[11],14,16			8,12,13	9,12	13,14,15,[17]
	13,15,[15.2],[16]	28,29,31.2		X,Y	11,[12]	[20],[21],23	
				9,9.3	8,9,10,[11]	[14],16,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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R8ALN3	PowerPlex® 21						
	4e	[11],15,18.3 [11],14,[16] 13,15,[15.2],[16] [9],10,11,[13]	18,23,[25] [28],29,[31.2] 7,8,[11],[15]	17,[19],[22],23	13,[15],16 [8],12,13 X,[Y] 9,9.3,[10]	11,[12],13 9,12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,[15],[17] [20],[21],23 [14],16,17
RB9QDF	PowerPlex® 16						
	4e	[11],14,[16] [9],10,11,[13]	[28],29,[31.2] 7,8,[11],[15]		13,[15],16 [8],12,13 X,[Y] 9,9.3,[10]	11,12,13 9,12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,[15],[17] [20],[21],23 [14],16,17
RUKJBG	Identifiler® Plus						
	4e	[11],14,14,[16] 13,15,[15.2],16	18,23,[25] [28],29,29,[31.2]		13,[15],16 [8],12,13 X,X 9,9.3,[10]	11,[12],13 9,12 11,11 9,10,[11]	10,10 13,14 [21],23,23 [14],16,17
T3U7YB	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
T4GWM9	Identifiler® Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3,10	11,12,13 9,12 11,12 8,9,10,11	9,10,11 13,14,15,17 20,21,23 14,16,17
T7MJ7T	Identifiler® Plus						
	4e	- [11],14,14,[16] 13,15,[15.2],[16] -	18,23,[25] - [28],29,29,[31.2] -	- - - -	13,[15],16 [8],12,13 X,X,[Y] 9,9.3,[10]	11,[12],13 9,12 11,11,[12] [8],9,10,[11]	[9],10,10,[11] 13,14,[15],[17] [20],[21],23,23 [14],16,17
T82W2G	Identifiler® Identifiler Plus						
	4e	11,14,16 13,15,15.2,16	18,23,25 28,29,31.2		13,15,16 8,12,13 X,Y 9,9.3	11,12,13 9,12 11,12 8,9,10,11	9,10 13,14,15,17 20,21,23 14,16,17
T88BAB	PowerPlex® 16						
	4e	[11],14,[16] [9],10,11,[13]	[28],29,[31.2] 7,8,[11],[15]		13,15,16 [8],12,13 X,[Y] 9,9.3,[10]	11,12,[13] 9,12 11,[12] [8],9,10,[11]	[9],10,[11] 13,14,15,17 [20],[21],23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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TBLQZ3	PowerPlex®						
	4e	[11],15,18.3	18,23,[25]		13,[15],16	11,[12],13	10,10,[11]
		[11],14,14,[16]		17,[19],[22],23	12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,29,[31.2]		X,X,[Y]	11,11	[20],[21],23,23
	[9],10,11	7,8		9,9.3,[10]	9,10	[14],16,17	
TCEJTZ	Identifiler®						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],16	[28],29,29,[31.2]		X,X,[X,Y]	11,11,[12]	[20,21],23,23
				9,9.3,[10]	[8],9,10,[11]	[14],16,17	
TGLDAP	PowerPlex® FUSION						
	4e	[11],15,18.3	18,23,[25]	10,11,[14]	13,[15],16	[10],11,[12],13	[9],10,[11]
		[11],14,[16]	[12],14,15		[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]	15,16	X,[Y]	11,[12]	[20],[21],23
	[9],10,11	7,8,[11],[15]		9,9.3,[10]	[8],9,10,[11]	[14],16,17	
TPCVNX	GlobalFiler						
	4e	[11],15,18.3	18,23,[25]	10,11,[14]	13,[15],16	11,[12],13	10,[11]
		[11],14,[16]	[12],14,15	17,[19],[22],23	[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	29,[31.2]	15,16	X,[Y]	11,[12]	[20,21],23
			19,28.2,[29.2],[30.2]	9,9.3	[8],9,10,[11]	[14],16,17	
TRR2GU	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[16]	[28],29,[31.2]		X,[Y]	11	[20],[21],23
				9,9.3	[8],9,10,[11]	[14],16,17	
TTP6EB	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,[12],13	9,10,[11]
		11,14,16			8,12,13	9,12	13,14,[15],[17]
		13,15,[15.2],16	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
				9,9.3,10	8,9,10,11	[14],16,17	
TV8EHG	PowerPlex® 16						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
			[28],29,[@]		X,[Y]	11,[12]	[20],[21],23
	10,11,[13]	7,8,[11],[15]		9,9.3,[10]	[8],9,10,[@]	[14],16,17	
TXRLFJ	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
	9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17	



TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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U6NKNJ	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
U7L2Q9							
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],17
			[28],29,[31.2]		X,[Y]	11,[12]	[20,21],23
		[9],10,11,[13]	7,8,[11,15]		9,9.3,[10]	[8],9,10,[11]	[14],16,17
U99P29	Identifiler®						
	4e		18,23,(25)		13,(15),16	11,(12),13	(9),10,10,(11)
		(11),14,14,(16)			(8),12,13	9,12	13,14,(15),(17)
		13,15,(15.2),(16)	(28),29,29,(31.2)		X,X,(Y)	11,11,(12)	(20),(21),23,23
					9,9.3,(10)	(8),9,10,(11)	(14),16,17
UA8NKG	Identifiler®						
	4e		[18],23,25		[13],15,16	11,12,[13]	9,10,11
		11,14,16			8,12,[13]	[9],12	[13],[14],15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,[9.3],10	8,[9],[10],11	14,[16],17
UEY34W	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
UR44TK	Identifiler® Plus						
	4e		18,23		13,[15],16	11,[12],13	[9],10
		[11],14			[8],12,13	9,12	13,14,[17]
		13,15,[15.2],[16]	29		X,[Y]	11	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
UWYXP2	PowerPlex® 21						
	4e	11,15,18.3	18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16		17,19,22,23	8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
UXAYEF	Identifiler® Plus						
	4e		18,23,[25]		13,15,16	11,12,13	[9],10,[11]
		[11],14,[16]			8,12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,10	[8],9,10,[11]	[14],16,17

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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V7X8GH	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
VCBWBD	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,29,[31.2]		X,X,[Y]	11,11,[12]	[20],[21],23,23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
VFPGC8	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
VHBCLT	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9.3,10	8,9,10,11	14,16,17
VKJG8U	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
VLYMX6	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,12,13	9,10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,15.2,16	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3,[10]	[8],9,10,[11]	14,16,17
VMLFHM	Identifiler® , MiniFiler						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],16	[28],29,[31.2]		X,[Y]	11,[12]	[20],[21],23
					9,9.3	[8],9,10,[11]	[14],16,17
VMU9PB	Identifiler Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10
		[11],14,[16]			[8],12,13	9,12	13,14,[17]
		13,15,[15.2]	[28],29,[31.2]		X	11,[12]	[20],23
					9,9.3	9,10,[11]	[14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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VR2TKV	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	10,11
		11,14,16 13,15,15.2,16	29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10	13,14,15,17 20,21,23 14,16,17
VR3G9Z	PowerPlex® 16						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 9,10,11,13	28,29,31.2 7,8,11,15		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
VU8D9V	Identifiler® Plus						
	4e		18,23		13,15,16	11,12,13	10,10
		14,14 13,15	29,29		8,12,13 X,X 9,9.3	9,12 11,11 8,9,10	13,14 23,23 16,17
VWFCUP	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
VX7N3A	PowerPlex® HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 9,10,11,13	28,29,31.2 7,8,11,15		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,17 20,21,23 14,16,17
VZHA6H	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15 20,21,23 14,16,17
W2HW6Z	PowerPlex® 16						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] [9],10,11,[13]	[28],29,[31.2] 7,8,[11],[15]		8,12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],17 20,[21],23 [14],16,17
W9HEHQ	Identifiler® Plus						
	4e		18,23,[25]		13,15,16	11,12,13	[9],10,[11]
		[11],14,[16] 13,15,15.2,16	[28],29,[31.2]		8,12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] 8,9,10,11	13,14,15,17 [20],[21],23 [14],16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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WC37UT	Identifiler Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
WHQQVN	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10
		[11],14,[16] 13,15,[16]	[28],29,[31.2]		8,12,13 X,X 9,9.3,[10]	9,12 11,[12] [8],9,10	13,14 [20],[21],23 [14],16,17
WJZZML	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
WQ32V3	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
WRXMJR	Identifiler® Identifiler Plus						
	4e	NT	18,23,[25]	NT	13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16] NT	NT [28],29,[31.2] NT	NT NT NT	[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
WWCZLZ	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,12,13	[9],10,10,[11]
		[11],14,14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,X,[Y] 9,9.3,[10]	9,12 11,11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23,23 [14],16,17
X2FLM2	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
X2GLKG	PowerPlex® 16HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17

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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X3BCNA	PowerPlex® 16						
	4e				13,[15],16	11,[12],13	9,10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[17]
X4JBWX	PowerPlex® Fusion						
	4e		[28],29,[31.2]		X,Y	11,[12]	20,21,23
		[9],10,11,[13]	7,8,[11]		9,9.3,[10]	[8],9,10,11	14,16,17
		11,15,18.3	18,23,25	10,11,14	13,15,16	11,12,13	9,10,11
X4RAEE	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
XCZXZZ	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,12,13	[9],10,10,[11]
		[11],14,14,[16]			[8],12,13	9,12	13,14,[15,17]
		13,15,[15.2,16]	[28],29,29,[31.2]		X,X,[Y]	11,11,[12]	[20],[21],23,23
XKQJ4D	Identifiler® plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,[12]	20,21,23
XKXJB9	PowerPlex® 16 HS						
	4e				13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16]			[8],12,13	9,12	13,14,[15,17]
			[28],29,[31.2]		X,[Y]	11,[12]	[20,21],23
XNM8GD	Identifiler® Plus						
	4e	-	18,23	-	13,[15],16	11,12,13	[9],10
		14	-	-	12,13	9,12	13,14
		13,15	[28],29	-	X,[Y]	11	[20,21],23
XP6ZQN	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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XT8RUU	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
XX3J3R	Identifiler® Plus, MiniFiler						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16] 13,15,[15.2],[16]	[28],29,29,[31.2]		[8],12,13 X,X,[Y] 9,9.3	9,12 11,11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23,23 [14],16,17
Y3BKKZ	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
YA24L3	Identifiler® , PowerPlex® 16HS						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 9,10,11,13	28,29,31.2 7,8,11,15		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
YCWTZG	Identifiler® Plus						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 -	- 28,29,31.2 -	- -	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
YJE2MT	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 -	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
YLLE7F	Identifiler® Plus, MiniFiler						
	4e	-	18,23,25	-	13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16 -	- 28,29,31.2 -	- -	8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
YQWCX9	PowerPlex® HS						
	4e				13,15,16	11,12,13	9,10,11
		11,14,16 28,29,31.2 9,10,11,13			8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4e

YVUYHN	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
Z2PDQ3	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2,16]	[28],29,[31.2]		[8],12,[13] X,[Y] 9,9.3	9,12 11,[12] [8],9,10,[11]	13,14,[15,17] [20,21],23 [14],16,17
Z4VXD3	Identifiler®						
	4e		18,23,(25)		13,(15),16	11,(12),13	(9),10,10,(11)
		(11),14,14,(16) 13,15,(15.2),(16)	(28),29,29,(31.2)		(8),12,13 X,X,(Y) 9,9.3	9,12 11,11,(12) (8),9,10,(11)	13,14,(15),(17) (20),(21),23,23 (14),16,17
ZEAYRN	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	28,29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
ZEFAPF	ID+						
	4e		18,23		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] 9,10	13,14,[15],[17] [20],[21],23 [14],16,17
ZFUH8G	Identifiler®						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16 13,15,15.2,16	29,31.2		8,12,13 X,Y 9,9.3,10	9,12 11,12 8,9,10,11	13,14,15,17 20,21,23 14,16,17
ZKNEUL	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3,[10]	9,12 11,[12] [8],9,10,[11]	13,14,[15],[17] [20],[21],23 [14],16,17
ZNL6U7	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	10,[11]
		[11],14,[16] 13,15,[15.2],[16]	[28],29,[31.2]		[8],12,13 X,[Y] 9,9.3	9,12 11,[12] [8],9,10	13,14,[15],[17] [20],[21],23 [14],16,17

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

ZPU9FG	Identifiler® Plus						
	4e		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
ZV8TZA	Identifiler® Plus						
	4e		18,23,[25]		13,[15],16	11,[12],13	[9],10,10,[11]
		[11],14,14,[16]			[8],12,13	9,12	13,14,[15],[17]
		13,15,[15.2],[16]	[28],29,29,[31.2]		X,X,[Y]	11,11,[12]	[20],[21],23,23
					9,9.3,[10]	[8],9,10,[11]	[14],16,17
ZWX3HP	Identifiler® Plus						
	4e		18,23		13,[15],16	11,13	10,10
		14,14			[8],12,13	9,12	13,14
		13,15	29,29		X,X	11,11	23,23
					9,9.3	9,10	16,17



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 4m

QZ8Z42	Identifiler®						
	4m	-	[18],23,25	-	[13],15,16	11,12,[13]	9,10,11
		11,14,16	-	-	8,12,[13]	[9],12	14,15,17
		[13],[15],15.2,16	28,29,31.2	-	X,Y	11,12	20,21,23
		-	-	-	9,[9.3],10	8,[9],[10],11	14,[16],17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

24GJUZ	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,[14],16 15.2,16		28,31.2		8,12 X,Y	12 11,12
24JA6P	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12 11,12
2B86MR	Identifiler®						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12 11,12
2ECWRB	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12 11,12
2F6TBD	Identifiler® , MiniFiler						
	4sp	N/A	23,25	N/A	15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12,12 11,12
2GKUF2	Identifiler® Plus						
	4sp		23,25		13,15,16	11,12	9,11
		11,14,16 15,15.2,16		28,31.2		8,12 X,Y	9,12 11,12
2GZD2J	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12,12 11,12
2HA69E	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y	12 11,12

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

2JCWD3	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
2KYPXJ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
2NM4NE	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
2U938Z	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
2UVD79	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
2ZB9UQ	Identifiler® PLUS						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
32Y23E	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
39H9JJ	Identifiler®						
	4sp		25		15,16	11	11
		11,16				12	15
	15.2	31.2		Y	11,12		
				9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

39YL4A	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
3BB4FR	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16 15.2,16 9,13	28,31.2	19,22	8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
			11,15				
3EUYHK	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
3J8282	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
3UPHXM	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17
48AH4F	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16	28,31.2		8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
49K8MR	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16	28,31.2		8,12 X,Y	12 11,12	15,17 20,21
		9,13	11,15		9,10	8,11	14,17
4J32K7	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,[14],16 15.2,16	28,[29],31.2		8,12 X,Y 9,10	12,12 11,12 8,11	15,17 20,21 14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

4NHCXA	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
4WARKT	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
4XWK6B	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,[10],11
		11,16			8,12,[13]	12	15,17
64YVUF	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
68JZ96	Identifiler® Plus						
	4sp		23,25		13,15,16	11,12,13	9,11
		11,14,16			8,12	9,12	15,17
69F3RF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
6BLP6K	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
6ELUM7	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
	15.2,16	28,31.2	-	X,Y	11,12	20,21	
	-	-	-	9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

6H8FTZ	PowerPlex® 16						
	4sp				[13],15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
6KAKYU	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
6NPZLE	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,10,11
		11,14,16			8,12,13	12	13,14,15,17
		15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
6Q2QYP	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	NR	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
6VNRP3	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
6WHKGE	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
736KGR	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
78J4UT	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	

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

7DM997	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
7LFE7D	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
7QAKUF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
7QNZUB	Identifiler® and ID Plus, Minifiler						
	4sp		[18],23,25		15,16	11,12	9,[10],11
		11,[14],16			8,12,[13]	[9],12	[14],15,[16],17
		[13],15.2,16	28,[29],31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
7ZCWWB	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
87KEU4	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,10,11
		11,16			8,12	12	15,17
			28,29,31.2		X,Y	11,12	20,21,23
	9,13	11,15		9,10	8,11	14,17	
893MQH	PowerPlex® FUSION						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
		15.2,16	28,31.2	15,15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
8BFAL4	Identifiler® Identifiler Plus						
	4sp		23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,15,17
		15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,10	8,9,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

8CRWC6	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16			8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
8ERCFM	Globalfiler						
	4sp	11,15	[18],23,25	[10],11,14	[13],15,16	11,12,[13]	9,[10],11
		11,[14],16 [13,15],15.2,16	12,[14],15 28,[29],31.2	[17],19,22 15,15 [28.2],29.2,30.2	8,12,[13] X,Y 9,10	[9],12 11,12 8,11	[13],15,17 20,21,[23] 14,[16],17
8ETZ4R	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16			8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
8EZ4KP	PowerPlex® 21						
	4sp	11,15	18,23,25		13,15,16	11,12	9,10,11
		11,16		17,19,22	8,12,13	12,12	13,15,17
		13,15.2,16 9,13	28,29,31.2 11,15		X,Y 9,10	11,12 8,11	20,21,23 14,17
8G6UR6	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16			8,12 X,Y 9,10	12 11,12 8,11	15,17 20,21 14,17
8JTBYR	Identifiler®						
	4sp		[18],23,25		15,16	11,12,[13]	9,[10],11
		11,[14],16 [15],15.2,16			8,12,[13] X,Y 9,10	[9],12 11,12 8,[9],11	[13],15,17 20,21 14,17
			28,[29],31.2				
8NYXM2	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,[16]			8,12	12	15,[17]
		[28],[31.2]		X,Y	11,12	20,21	
	9,13	11,15		9,10	8,11	14,17	
8QUJZT	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,15,17
		13,15,15.2,16	28,29,31.2		X,Y 9,10	11,12 8,9,10,11	20,21,23 14,16,17



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

8VKTW7	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
8ZQKQB	Identifiler® PLUS, PowerPlex® 16HS						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
9ALNVX	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9AYDWP	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9CPJE2	Identifiler® Plus						
	4sp	NA	23,25	NA	15,16	11,12	9,11
		11,16	NA	NA	8,12	12,12	15,17
		15.2,16	28,31.2	NA	X,Y	11,12	20,21
		NA	NA	NA	9,10	8,11	14,17
9JMFTQ	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9M8288	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9PFB2Q	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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

9QEYUT	Identifiler® and Identifiler Plus, PowerPlex® HS						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
9RDT3Y	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9RDVPH	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9RWPCD	Identifiler® Plus						
	4sp	NT	23,25	NT	15,16	11,12	9,11
		11,16	NT	NT	8,12	12,12	15,17
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
		NT	NT	NT	9,10	8,11	14,17
9WLENB	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
9X7W8N	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A2Z8LV	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A3CU6V	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

A47R8A	Identifiler® plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
A47RAV	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,10,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21,23
		9,13	11,15		9,10	8,11	14,17
AA9RFQ	COfiler® and Profiler Plus®						
	4sp				15,16	11,12	9,11
		11,16			8,12		15,17
			28,31.2		X,Y		20,21
							14,17
ABM3MW	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
AJVWE4	PowerPlex® 16HS						
	4sp				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,9,3,10	8,9,10,11	14,16,17
AJWUPY	GlobalFiler						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12	15,17
		15.2,16	28,[29],31.2	15	X,Y	11,12	20,21
				29.2,30.2	9,10	8,11	14,17
AKPP92	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
AMFNQ7	Identifiler® Minifiler, Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

ANBETE	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
APJJA9	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
AV6QGF	PowerPlex® 16 HS, SE filer Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
AWLQRW	PowerPlex® 16 HS						
	4sp			29.2,30.2	9,10	8,11	14,17
		11,14,16			13,15,16	11,12,13	9,10,11
AWTMRW	Identifiler® Plus						
	4sp		28,29,31.2		8,12,13	12	13,15,17
		9,11,13	7,8,11,15		X,Y	11,12	20,21,23
AYUR6G	IDENTIFILER PLUS						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
B34L67	Identifiler® Identifiler Plus, Minifiler						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
B74RNH	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21

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

B7AR4Z	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
BBD2ME	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
BJZKNU	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
BN86HT	Identifiler® Plus						
	4sp		23,25		15,16,(17)	11,12	9,11
		11,16			8,12	12,12	15,17
BR8F82	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
BXWWWY	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
C6B39V	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
C8FQG7	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17

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

CBXRT7	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
CBYRQK	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
CDHRPM	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
CJA3V6	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
CJTVW3	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
CLGB6P	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
CXF6J8	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
CZDKXW	PowerPlex® 16						
	4sp				15,16	11,12	9,[10],11
		11,16			8,12	[11],12	[13,14],15,17
			28,31.2		X,Y	11,12	20,21,[23]
		9,13	[7],11,15		9,10	8,[9],11	14,17

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

CZHUV	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
DADG9D	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,11
		11,14,16			8,12	9,12	13,14,15,17
DDND2M	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,11
		11,14,16			8,12	9,12	13,14,15,17
DQ6DMF	PowerPlex®						
	4sp		28,31.2		15,16	11,12	9,11
		11,16			8,12	12	15,17
E73RLN	PowerPlex® 16						
	4sp		28,31.2		15,16	11,12	9,11
		11,16			8,12	12	15,17
E7G7W4	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
E98DFF	PowerPlex® 21						
	4sp	11,15,18.3	23,25		13,15,16	11,12	9,10,11
		11,16		17,19,22	8,12,13	9,12	15,17
E9XR9X	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16			8,12	12	15,17

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

ELCNNM	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
ELK2V4	Identifiler® Plus, PowerPlex® 16HS						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
ENWGP4	Identifiler® , Minifiler						
	4sp		[18],23,25		15,16	11,12	9,[10],11
		11,[14],16			8,12,[13]	[9],12	[14],15,17
F3EG4A	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
F4YM7D	Identifiler® , Identifiler Plus						
	4sp		23,25*		15,16*	11,12*	9,10,11
		11,14,16*			8,12*	12*	15,17*
FQYRZX	PowerPlex® 16HS						
	4sp				15,16	11,12	9,11
		11,14,16	28,31.2		X,Y	11,12	20,21
FRRHC6	Identifiler® Plus						
	4sp	n/t	23,25	n/t	15,16	11,12	9,11
		11,16	n/t	n/t	8,12	12,12	15,17
FW92DL	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21



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

FWAQNB	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
FWP62L	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
GAA7VX	Identifiler® and Id Plus, minifiler						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
GCFDPC	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
GCR79T	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
GDB3QK	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
GG64L8	Identifiler® Plus						
	4sp	n/a	23,25	n/a	15,16	11,12	9,11
		11,16	n/a	n/a	8,12	12,12	15,17
GGEQC2	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

GJFYBK	Identifiler®						
	4sp		23,25		(13),15,16	11,12	9,(10),11
		11,(14),16			8,12,(13)	(9),12	15,17
		(13),(15),15.2,16	28,(29),31.2		X,Y	11,12	20,21,(23)
				9,10	8,(9),11	14,17	
GJGPK9	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GLMABU	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GQG7XZ	Identifiler®						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	
GRNMXQ	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
GUEQ3J	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
GUZ9YD	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
GV9BTP	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	

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

H7PBUQ	PowerPlex® ESI 16						
	4sp	11,15	23,25	11,14	15,16		
		11,16	12,15	19,22		12,12	15,17
		15.2,16	28,31.2	15,15	X,Y		20,21
					9,10		14,17
HG9UGW	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
HJRVFP	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
HMDLJE	Globalfiler						
	4sp	11,15	23,25	(10),11,14	15,16	11,12	9,(10),11
		11,16	12,15	(17),19,22	8,12	12,12	15,17
		15.2,16	28,(29),31.2	15,15	X,Y	11,12	20,21,(23)
				29.2,30.2	9,10	8,(10),11	14,17
HV9VVH	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
HW4GMN	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
HX6K24	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
HXBRAR	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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

J4E4RA	PowerPlex® PowerPlex 16						
	4sp				13,15,16	11,12	9,11
		11,14,16			8,12	12	15,17
			28,29,31.2		X,Y	11,12	20,21,23
		9,11,13	11,15		9,10	8,9,11	14,17
J4GRDU	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
J76ZLB	PowerPlex® Powerplex21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		NR	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
J7YTCM	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,9.3,10	8,9,10,11	14,16,17
JA2P43	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
JB7MTC	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
JDQYD4	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
JJ7XB3	Identifiler®						
	4sp		23		16	11,12	9
		16			8,12	12	17
					X	11	20
					9,10	8	17

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

JKFR4G	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
JKFXFA	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JMUAME	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JQMAN4	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JVKTP2	Identifiler® PLUS						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JXAXJY	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
JYB9UF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,[14],16			8,12	12,12	15,17
JZB6P6	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	

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

K3ZTMQ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
K7DPBZ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
K7H4KU	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
KCL888	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
KFM2GB	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
KHAUZR	PowerPlex® HS						
	4sp				13,15,16	11,12,13	9,10,11
		11,14,16	28,29,31.2		8,12,13	9,12	13,15,17
KP8HWX	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
KQMMVW	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
	15.2,16	28,31.2	-	X,Y	11,12	20,21	
	-	-	-	9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

KVYFX9	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
KYBJB4	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
KZAHUC	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
L2GJTF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
LNUCVE	Identifiler® Plus						
	4sp		23,25		15,16	11,12,13	9,10,11
		11,14,16			8,12,13	12	13,15,17
		15.2,16	28,29,31.2		X,Y	11,12	20,21,23
				9,10	8,11	14,17	
LQL6ED	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
LWAZYG	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
LY7MFY	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	

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

M39ZHH	PowerPlex® 16HS						
	4sp				13,15,16	11,12,13	9,10,11
		11,14,16				8,12,13	9,12
M4FC87	Identifiler®						
	4sp		28,29,31.2		X,Y	11,12	20,21,23
		9,10,11,13	7,8,11,15		9,10	8,10,11	14,17
M4FC87	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
MFUA9U	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
MGTBFL	Identifiler® Plus						
	4sp	15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
MGTBFL	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
MJV3JR	Identifiler® Plus						
	4sp	15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
MVQFQ4	Identifiler® Identifiler Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
MVUZD8	PowerPlex® 21						
	4sp	[15],15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
N2DKZJ	Identifiler® Plus						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
N2DKZJ	Identifiler® Plus						
	4sp	15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
N2DKZJ	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
N2DKZJ	Identifiler® Plus						
	4sp	15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17



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

N4AG26	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
N6PJ3C	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
N8EZBY	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
NA49T2	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
NA64ER	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
NGN7LU	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
NH3FQN	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
NLVQFT	COfiler® and Profiler Plus®						
	4sp				15,16	11,12	9,11
		11,16			8,12	(9*),12	15,17

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

NUWWFP	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
NWKKJ3	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
NWXZU6	PowerPlex® Fusion						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,(14),16	12,15	19,22	8,12,(13)	(9),12	15,17
		15.2,16	28,31.2	15	X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
NWYYYY	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	
NXUJQ6	Identifiler® Plus						
	4sp	NT	23,25	NT	15,16	11,12	9,11
		11,16	NT	NT	8,12	12,12	15,17
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
	NT	NT	NT	9,10	8,11	14,17	
NYAUU4	PowerPlex® PowerPlex 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	
PDKT6V	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
	-	-	-	9,10	8,11	14,17	
PLWPH2	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
	9,13	11,15		9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

PN7YBY	PowerPlex® 16						
	4sp				15,16	12	9,11
	16				8,12	12	15
	9,13		28		X,Y	11,12	20,21
PPCJYY	Identifiler® Plus						
	4sp		28,25		15,16	11,12	9,[10],11
	11,[14],16				8,12	[9],12	[13],15,17
	15.2,16		28,[29],31.2		X,Y	11,12	20,21,[23]
PVJV9E	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
	15.2,16		28,31.2		X,Y	11,12	20,21
Q67BD9	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
	15.2,16		28,31.2		X,Y	11,12	20,21
Q98AUT	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
	15.2,16		28,31.2		X,Y	11,12	20,21
Q98CJX	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
	11,16				8,12	12,12	15,17
	15.2,16		28,31.2		X,Y	11,12	20,21
QC6TWR	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
	11,16				8,12	12	15,17
	15.2,16		28,31.2		X,Y	11,12	20,21
QEMBFV	PowerPlex® 16						
	4sp				15,16	11,12	9,11
	11,[14],16				8,12	12	[13],15,17
	9,[11],13		28,31.2		X,Y	11,12	20,21,[23]

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

QKDGHC	Identifiler® Plus						
	4sp		23,25		[13],15,16	11,12	[9,10],11
		11,[14],16			8,12,[13]	[9],12	[13,14],15,17
		[13,15],15.2,16	[28,29],31.2		X,Y	11,[12]	20,21,[23]
QPRX4N	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,10,11
		11,16			8,12	12	15,17
		15.2,16	28,29,31.2		X,Y	11,12	20,21
QRDZDF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QUPJT6	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QVJCM4	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
QWM9TY	PowerPlex® Fusion, ESX 17						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
		15.2,16	28,31.2	15,15	X,Y	11,12	20,21
QZ8Z42	Identifiler®						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,[14],16	-	-	8,12	12	15,17
		15.2,16	28,[29],31.2	-	X,Y	11,12	20,21
R8622Y	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21

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

R8ALN3	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
RB9QDF	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
RUKJBG	Identifiler® Plus						
	4sp		[18],23,25		[13],15,16	11,12,[13]	9,11
		11,[14],16			8,12	12,12	15,17
		15.2,16	28,[29],31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
T3U7YB	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
T4GWM9	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
T7MJ7T	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
		-	-	-	9,10	8,11	14,17
T82W2G	Identifiler® Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
T88BAB	PowerPlex® 16						
	4sp				[13],15,16	11,12	9,[10],11
		11,[14],16			8,12,[13]	[9],12	[13],15,17
			28,[29],31.2		X,Y	11,12	20,21,[23]
		9,[10],[11],13	[7],11,15		9,10	8,[9],[10],11	14,17

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

TBLQZ3	PowerPlex®						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
TCEJTZ	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
TGLDAP	PowerPlex® FUSION						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15		8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
TPCVNX	GlobalFiler						
	4sp	11,15	23,25	11,14	15,16	11,12	9,11
		11,16	12,15	19,22	8,12	12,12	15,17
		15.2,16	28,31.2	15,15	X,Y	11,12	20,21
			29.2,30.2	9,10	8,11	14,17	
TRR2GU	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,[14],16			8,12	[9],12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
TTP6EB	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	
TV8EHG	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
TXRLFJ	PowerPlex® 16HS						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17

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

U6NKNJ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
U7L2Q9							
	4sp				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
U99P29	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UA8NKG	Identifiler®						
	4sp		[18],23,25		[13],15,16	11,12,[13]	9,10,11
		11,14,16			8,12,[13]	[9],12	[13],[14],15,17
		[13],[15],15.2,16	28,29,31.2		X,Y	11,12	20,21,23
					9,[9.3],10	8,[9],[10],11	14,[16],17
UEY34W	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UR44TK	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
UWYXP2	PowerPlex® 21						
	4sp	11,15	23,25		15,16	11,12	9,11
		11,16		19,22	8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
		9,13	11,15		9,10	8,11	14,17
UXAYEF	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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

V7X8GH	PowerPlex® 16HS						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
VCBWBD	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,[10],11
		11,16			8,12	12,12	[13],15,17
		15.2,16	28,[29],31.2		X,Y	11,12	20,21
VFPGC8	PowerPlex® 16						
	4sp				15,16	11,12	9,10,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
VHBCLT	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,[14],16			8,12	[9],12	[13],15,17
			28,31.2		X,Y	11,12	20,21,[23]
VKJG8U	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VLYMX6	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VMLFHM	Identifiler® , MiniFiler						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
VMU9PB	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21



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

VR2TKV	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VR3G9Z	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VU8D9V	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VWFCUP	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
VX7N3A	PowerPlex® HS						
	4sp				13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	12	13,14,15,17
VZHA6H	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
W2HW6Z	PowerPlex® 16						
	4sp				[13],15,16	11,12,[13]	9,[10],11
		11,[14],16			8,12,[13]	12	[13],15,17
W9HEHQ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

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

WC37UT	Identifiler Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
WHQQVN	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
WJZZML	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
WQ32V3	PowerPlex® 16HS						
	4sp				[13],15,16	11,12,[13]	9,10,11
		11,[14],16			8,12,[13]	[9],12	[13],[14],15,17
WRXMJR	Identifiler® Identifiler Plus						
	4sp	NT	23,25	NT	15,16	11,12	9,11
		15.2,16	28,31.2	NT	X,Y	11,12	20,21
WWCZLZ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
X2FLM2	Identifiler® Plus						
	4sp		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,15,17
X2GLKG	PowerPlex® 16HS						
	4sp				15,16	11,12,13	9,10,11
		13,15,15.2,16	28,29,31.2		X,Y	11,12	20,21,23
X2GLKG	PowerPlex® 16HS						
	4sp				15,16	11,12,13	9,10,11
		11,16			8,12	12	15,17
X2GLKG	PowerPlex® 16HS						
	4sp		28,29,31.2		X,Y	11,12	20,21,23
		9,13	11,15		9,10	8,11	14,17

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

X3BCNA	PowerPlex® 16						
	4sp				15,16	11,12	9,11
		11,16			8,12	12	15,17
			28,31.2		X,Y	11,12	20,21
X4JBWX	PowerPlex® Fusion						
	4sp	11,15	23,25	11,14	15,16	11,12,13	9,11
		11,16	12,15	19,22	8,12	12	15,17
		15.2,16	28,31.2	15	X,Y	11,12	20,21,23
X4RAEE	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
XCZXZZ	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
XKQJ4D	Identifiler® plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
XKXJB9	PowerPlex® 16 HS						
	4sp				15,16	11,12	9,11
		11,16			8,12	12,12	15,17
			28,31.2		X,Y	11,12	20,21
XNM8GD	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12	15,17
		15.2,16	28,31.2	-	X,Y	11,12	20,21
XP6ZQN	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
				9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

XT8RUU	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
XX3J3R	Identifiler® Plus, MiniFiler						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
Y3BKKZ	Identifiler®						
	4sp		23,25		15,16	11,12,[13]	9,11
		11,[14],16			8,12,[13]	12	15,17
YA24L3	Identifiler® , PowerPlex® 16HS						
	4sp		18,23,25		13,15,16	11,12,13	9,10,11
		11,14,16			8,12,13	9,12	13,14,15,17
YCWTZG	Identifiler® Plus						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
YJE2MT	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		15.2,16	28,31.2		X,Y	11,12	20,21
YLLE7F	Identifiler® Plus, MiniFiler						
	4sp	-	23,25	-	15,16	11,12	9,11
		11,16	-	-	8,12	12,12	15,17
YQWCX9	PowerPlex® HS						
	4sp				15,16	11,12,13	9,11
		11,16			8,12	12	15,17
		28,31.2		X,Y	11,12	20,21	
	9,13	11,15		9,10	8,11	14,17	

TABLE 2

WebCode	Item	D1S1656 D8S1179 D19S433 Penta D	D2S1338 D10S1248 D21S11 Penta E	D2S441 D12S391 D22S1045 SE33	D3S1358 D13S317 Amelogenin TH01	D5S818 D16S539 CSF1PO TPOX	D7S820 D18S51 FGA vWA
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Item 4sp

YVUYHN	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
Z2PDQ3	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
Z4VXD3	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
ZEAYRN	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
ZEFAPF	ID+						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
ZFUH8G	Identifiler®						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11
ZKNEUL	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12 11,12 8,11
ZNL6U7	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16 15.2,16		28,31.2		8,12 X,Y 9,10	12,12 11,12 8,11

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

ZPU9FG	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
ZV8TZA	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17
ZWX3HP	Identifiler® Plus						
	4sp		23,25		15,16	11,12	9,11
		11,16			8,12	12,12	15,17
		15.2,16	28,31.2		X,Y	11,12	20,21
					9,10	8,11	14,17

# Amplification Kit(s) & YSTR Results

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
<b>Item 1</b>									
2B86MR	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	-	-
		-	-	-	NR	-	NR	-	
2F6TBD	Yfiler® 1	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	N/A	N/A
		N/A	N/A	N/A	ND	N/A	ND	N/A	
4Y969D	Yfiler® 1	NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
7QNZUB	Yfiler® 1								
AMFNQ7	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
AQDC48	Yfiler® 1	NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
AYUR6G	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
B34L67	Yfiler® 1	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
BGKGGW	Yfiler® 1	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 1

BXWWWY	Yfiler® 1								
CLGB6P	Yfiler® 1								
ECJGTB	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
ELCNNM	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
FRRHC6	1	n/t n/t n/t	n/t n/t n/t	n/t n/t n/t	n/t n/t n/t	n/t n/t n/t	n/t n/t n/t	n/t n/t n/t	n/t n/t
G7P2G9	Yfiler® 1	NR NR	NR,NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
GAA7VX	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
GCR79T	Yfiler® 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- -
HJRVFP	Yfiler® 1								
HMDLJE	Globalfiler 1						NA		
								NA	



TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 1

JVKT2	Yfiler® 1								
M39ZHH	PowerPlex® Y 23 1								
MGTBFL	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
MVUZD8	Yfiler® 1	NR NR	NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR
NWYYYY	Yfiler® 1	NR NR -	NR NR	NR NR -	NR NR NR	NR NR -	NR NR NR	NR -	NR -
PDKT6V	Yfiler® 1	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -
QZ8Z42	Yfiler® 1	not tested not tested -	not tested not tested -	not tested not tested -	not tested not tested not tested	not tested not tested -	not tested not tested not tested	not tested -	not tested -
TGLDAP	PowerPlex® Y Y23 1								
WRXMJR	Yfiler® 1	NR NR NT	NR NR NT	NR NR NT	NR NR NR	NR NR NT	NR NR NR	NR NT NT	NR NT
X2VR3R	Yfiler® 1	NR NR	NR,NR NR	NR NR	NR NR NR	NR NR	NR NR NR	NR	NR

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

24GJUZ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2B86MR	Yfiler® , PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
2F6TBD	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
2GKUF2	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2HA69E	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
2JCWD3	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2ZB9UQ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
32Y23E	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3J8282	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3UPHXM	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

4XWK6B	PowerPlex® Y and Y23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
4Y969D	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
63ZYYQ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
64YVUF	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
6BLP6K	PowerPlex® Y	2	14	11,13	13	29	24	11	14	13
			15	12	13					
6ELUM7	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-	-	23	-	12	-	
6H8FTZ	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
6KAKYU	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
6Q2QYP	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
6WHKGE	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-	-	23	-	12	-	

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

78J4UT	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7DM997	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
7QAKUF	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7QNZUB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
87KEU4	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
893MQH	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15.1	12	13	18	16	17.1	24	13
		12	17	18	23	10	12		
8B6NRF	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8ERCFM	2						11		
								2	
8ETZ4R	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8JTBYR	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

8QJUJT	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8ZQKQB	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9ALNVX	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9AYDWP	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9F2JGU	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9JMFTQ	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9PFB2Q	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9QEYUT	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9RDT3Y	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
9WLENB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

9X7W8N	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
A2Z8LV	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
A47RAV	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ABM3MW	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJVWE4	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJWUPY	2						11		
								2	
AKPP92	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
AMFNQ7	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AQDC48	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AV6QGF	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

AWLQRW	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
AWTMRW	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
AYUR6G	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
B34L67	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
B7AR4Z	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
BGKGGW	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-	-	23	-	12	-	
BJZKNU	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
BN86HT	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
BR8F82	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-	-	23	-	12	-	
BXWWWY	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
				23		12				

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

CLGB6P	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
CXF6J8	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
DDND2M	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
E73RLN	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
E9XR9X	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
ECJGTB	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ELCNNM	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ELK2V4	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
EPQBEL	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
EXGUH9	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		



TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

FQYRZX	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
FRRHC6	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	n/t	n/t
			n/t	n/t	n/t	23	n/t	12	n/t	
FW92DL	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
FWAQNB	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
FWP62L	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
G7P2G9	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
GAA7VX	Yfiler®	2	16	13	24	29	17	14	11,13	13
			11	13	23	14	12	15	12	18
GCR79T	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-	-	23	-	12	-	
GJFYBK	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
GJGPK9	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

GLMABU	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GV9BTP	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HJRVFP	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HMDLJE	Globalfiler 2						11		
								2	
HW4GMN	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HX6K24	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
HXBRAR	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
J4E4RA	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
J76ZLB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
J7YTCM	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

JB7MTC	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JDQYD4	PowerPlex® Y	2	14	11,13	13	29	24	11	14	13
			15	12	13					
JJ7XB3	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JMUAME	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JNFZBC	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JQMAN4	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JKTP2	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JZB6P6	PowerPlex® Y	2	14	11,13	13	29	24	11	14	13
			15	12	13					
K3ZTMQ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
KCL888	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

KHAUZR	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
KP8HWX	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
KVYFX9	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
L2GJTF	Yfiler® PPY23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
LJBCLZ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
LNUCVE	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
LWAZYG	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
LY7MFY	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	-	-
			-	-		23	-	12	-	-
M39ZHH	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
M8CXY9	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

MGTBFL	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
MJV3JR	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
MVUZD8	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N4AG26	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
N6PJ3C	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N8EZBY	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
NA49T2	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
NWYYYY	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
PDKT6V	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
Q67BD9	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

Q98CJX	PowerPlex® Y								
	2	14	11,13	13	29	24	11	14	13
		15	12	13					
QEMBFV	PowerPlex® Y								
	2	14	11,13	13	29	24	11	14	13
		15	12	13					
QKDGHC	PowerPlex® Y 23								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QRDZDF	PowerPlex® Y								
	2	14	11,13	13	29	24	11	14	13
		15	12	13					
QVJCM4	Yfiler®								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
QWM9TY	PowerPlex® Y 23								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QZ8Z42	Yfiler®								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
R36XRY	PowerPlex® Y 23								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
R8ALN3	Yfiler®								
	2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
RB9QDF	PowerPlex® Y								
	2	14	11,13	13	29	24	11	14	13
		15	12	13					

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

RV79BV	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
T3U7YB	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
T4GWM9	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
T88BAB	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
TCEJTZ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
TGLDAP	PowerPlex® Y Y23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
TK73U3	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
TV8EHG	PowerPlex® Y	2	14	11,13	13	29	24	11	14	13
			15	12	13					
TXRLFJ	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
U6NKNJ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
				23		12				

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

U99P29	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UR44TK	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UXAYEF	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
V7X8GH	PowerPlex® Y 23 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
VFPGC8	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
VHBCLT	PowerPlex® Y 2	14	11,13	13	29	24	11	14	13
		15	12	13					
VMLFHM	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VMU9PB	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VR2TKV	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VX2CED	Yfiler® 2	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		



TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

VX7N3A	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
WC37UT	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
WRXMJR	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	NT	NT
			NT	NT	NT	23	NT	12	NT	
X2FLM2	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
X2GLKG	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
X2VR3R	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
X4JBWX	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	NT	NT
			NT	NT	NT	23	NT	12	NT	
XNNT8Y	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
Y3BKKZ	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
YA24L3	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 2

YQWCX9	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
YVUYHN	PowerPlex® Y	2	14	11,13	13	29	24	11	14	13
			15	12	13					
Z4VXD3	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
ZNL6U7	PowerPlex® Y 23	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17	24	13
			12	17	18	23	10	12		
ZPU9FG	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
ZWX3HP	Yfiler®	2	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		

TABLE 3

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

2B86MR	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	-	-
		-	-	-	NR	-	NR	-	
2F6TBD	Yfiler® 3	ND	ND	ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND	N/A	N/A
		N/A	N/A	N/A	ND	N/A	ND	N/A	
2JCWD3	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
7QNZUB	Yfiler® 3								
AMFNQ7	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
AYUR6G	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
B34L67	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
BXWWWY	Yfiler® 3								
ECJGTB	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		
ELCNNM	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR		
					NR		NR		

TABLE 3

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

FRRHC6	3	n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
		n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
		n/t	n/t	n/t	n/t	n/t	n/t	n/t	n/t
G7P2G9	Yfiler® 3	NR	NR, NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
GAA7VX	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
GCR79T	Yfiler® 3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
GJGPK9	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		
HJRVFP	Yfiler® 3								
HMDLJE	Globalfiler 3						NA		
								NA	
J4E4RA	PowerPlex® Y 3								
JVKTP2	Yfiler® 3								
LWAZYG	Yfiler® 3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	NR
					NR		NR		

TABLE 3

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

MGTBFL	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	
MVUZD8	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	
NWYYYY	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	-	-
PDKT6V	Yfiler®								
	3	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
QZ8Z42	Yfiler®								
	3	no result	no result	no result	no result	no result	no result	no result	no result
		no result	no result	no result	no result	no result	no result	-	-
RB9QDF	PowerPlex® Y								
	3								
WRXMJR	Yfiler®								
	3	NR	NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NT	NT
X2VR3R	Yfiler®								
	3	NR	NR,NR	NR	NR	NR	NR	NR	NR
		NR	NR	NR	NR	NR	NR	NR	
ZNL6U7	PowerPlex® Y 23								
	3								

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

4Y969D	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
63ZYYQ	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
893MQH	4	14	11,13	13	29	24	11	14	13
		15.1	12	13	18	16	17.1	24	13
		12	17	18	23	10	12		
8B6NRF	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8ZQKQB	PowerPlex® Y 23 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9F2JGU	PowerPlex® Y 23 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AQDC48	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ECJGTB	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
EPQBEL	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
EXGUH9	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4

G7P2G9	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JDQYD4	PowerPlex® Y	4	14	11,13	13	29	24	11	14	13
			15	12	13					
JNFZBC	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
JQMAN4	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
LJBCLZ	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
M8CXY9	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
R36XRY	Yfiler®	4	14	11	13	29	24	11	14	13
			15	12	-	18	16	17	24	13
			12	17	18	23	10	12		
RV79BV	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
TK73U3	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		
VMLFHM	Yfiler®	4	14	11,13	13	29	24	11	14	13
			15	12	13	18	16	17		
						23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4

VX2CED	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
X2VR3R	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
XNNT8Y	Yfiler® 4	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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	
<b>Item 4e</b>									
24GJUZ	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2B86MR	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
2F6TBD	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
2GKUF2	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2HA69E	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
2JCWD3	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2ZB9UQ	Yfiler® 4e								
32Y23E	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3J8282	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
4XWK6B	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	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 4e

6ELUM7	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
6H8FTZ	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6KAKYU	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6Q2QYP	Yfiler® 4e								
6WHKGE	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
78J4UT	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7DM997	Yfiler® 4e	14	11				11	14	
		15		13		16	17	-	-
		-	-	-	23	-	12	-	
7QAKUF	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7QNZUB	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
87KEU4	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

8ERCFM	4e						[11]		
								[2]	
8ETZ4R	PowerPlex® Y 23 4e								
8JTBYR	Yfiler® 4e								
8QJUZZ	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9ALNVX	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9AYDWP	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9JMFTQ	Yfiler® 4e								
9PFB2Q	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9QEYUT	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9WLENB	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

9X7W8N	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
A2Z8LV	Yfiler®								
	4e								
A47RAV	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ABM3MW	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJVWE4	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJWUPY	4e						11		
								2	
AKPP92	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
AMFNQ7	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AV6QGF	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AWLQRW	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

AWTMRW	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AYUR6G	Yfiler®								
	4e	NR	13	NR	NR	24	NR	14	NR
		NR	NR	NR	18	NR	NR		
					NR		12		
B34L67	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
B7AR4Z	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
BJZKNU	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
BN86HT	Yfiler®								
	4e								
BR8F82	Yfiler®								
	4e	14					11		
		15	12	13		16	17		
					23		12		
BXWWWY	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
CLGB6P	Yfiler®								
	4e								
CXF6J8									
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4e

DDND2M	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
E73RLN	PowerPlex® Y								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13					
E9XR9X	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
ELCNNM	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
ELK2V4	PowerPlex® Y 23								
	4e								
FQYRZX	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
FRRHC6	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	n/t	n/t
		n/t	n/t	n/t	23	n/t	12	n/t	
FW92DL	Yfiler®								
	4e								
FWAQNB	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FWP62L	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

GAA7VX	Yfiler®								
	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
GCR79T	Yfiler®								
	4e	14 15 -	11,13 12 -	13 13 -	29 18 23	24 16 -	11 17 12	14 - -	13 - -
	Yfiler®								
GJFYBK	4e								
GJGPK9	Yfiler®								
	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
	Yfiler®								
GLMABU	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
GV9BTP	Yfiler®								
	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
	Yfiler®								
HJRVFP	Yfiler®								
	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
	Yfiler®								
HMDLJE	Globalfiler								
	4e						NA (11)		
HW4GMN	Yfiler®								
	4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
	Yfiler®							NA (2)	
HX6K24	PowerPlex® Y								
	4e	14 15	11,13 12	13 13	29	24	11	14	13

TABLE 3

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

## Item 4e

HXBRAR	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
J4E4RA	PowerPlex® Y 4e	14	11,13	13	29	24	11	14	13
		15	12	13					
J76ZLB	Yfiler® 4e								
J7YTCM	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JJ7XB3	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JMUAME	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JVKTP2	Yfiler® 4e								
JZB6P6	PowerPlex® Y 4e	14	11,13	13	29	24	11	14	13
		15	12	13					
K3ZTMQ	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KCL888	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		



TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

KHAUZR	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
KP8HWX	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
L2GJTF	PowerPlex® Y PPY23 4e	14	11,13	13	29	24	11	14	
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
LNUCVE	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
LWAZYG	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
LY7MFY	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
M39ZHH	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
MGTBFL	Yfiler® 4e	NR	11	NR	NR	NR	NR	NR	13
		NR	NR	NR	NR	16	NR		
					23		12		
MJV3JR	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
MVUZD8	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				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 4e

N4AG26	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N6PJ3C	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N8EZBY	PowerPlex® Y 4e	14	11,13	13	29	24	11	14	13
		15	12	13					
NWYYYY	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
PDKT6V	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
Q67BD9	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QEMBFV	PowerPlex® Y 4e	14	11,13	13	29	24	11	14	13
		15	12	13					
QKDGHC	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QVJCM4	Yfiler® 4e								
QWM9TY	PowerPlex® Y 23 4e								

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4e

QZ8Z42	Yfiler®								
	4e	no result	13	no result	29	24	11	14	no result
		15	12	13	no result	16	17	-	-
		-	-	-	23	-	12	-	
RB9QDF	PowerPlex® Y								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13					
T3U7YB	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				23		12			
T4GWM9	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
T88BAB	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TCEJ TZ	Yfiler®								
	4e								
TGLDAP	PowerPlex® Y Y23								
	4e	14	11,13	13	29	24	11	NR	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TV8EHG	PowerPlex® Y								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13					
TXRLFJ	PowerPlex® Y 23								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
U6NKNJ	Yfiler®								
	4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				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 4e

U99P29	Yfiler® 4e								
UR44TK	Yfiler® 4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
UXAYEF	Yfiler® 4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
V7X8GH	PowerPlex® Y 23 4e	14 15 12	11,13 12 17	13 13 18	29 18 23	24 16 10	11 17 12	14 24	13 13
VFPGC8	PowerPlex® Y 4e	14 15	11,13 12	13 13	29	24	11	14	13
VHBCLT	PowerPlex® Y 4e	14 15	11,13 12	13 13	29	24	11	14	13
VMU9PB	Yfiler® 4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
VR2TKV	Yfiler® 4e	14 15	11,13 12	13 13	29 18 23	24 16	11 17 12	14	13
VX7N3A	PowerPlex® Y 23 4e	14 15 12	11,13 12 17	13 13 18	29 18 23	24 16 10	11 17 12	14 24	13 13
WQ32V3	PowerPlex® Y 23 4e	14 15 12	11,13 12 17	13 13 18	29 18 23	24 16 10	11 17 12	14 24	13 13

TABLE 3

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

Item 4e

WRXMJR	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	NT	NT
		NT	NT	NT	23	NT	12	NT	
X2FLM2	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
X2GLKG	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
Y3BKKZ	Yfiler® 4e								
YA24L3	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
YQWCX9	PowerPlex® Y 23 4e								
Z4VXD3	Yfiler® 4e								
ZNL6U7	PowerPlex® Y 23 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ZPU9FG	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ZWX3HP	Yfiler® 4e	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4m

QZ8Z42	Yfiler®								
	4m	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	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	
<b>Item 4sp</b>									
24GJUZ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2B86MR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
2F6TBD	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	N/A	N/A
		N/A	N/A	N/A	23	N/A	12	N/A	
2GKUF2	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2HA69E	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
2JCWD3	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
2ZB9UQ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
32Y23E	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3J8282	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
3UPHXM	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					

TABLE 3

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

Item 4sp

4XWK6B	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
64YVUF	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
6BLP6K	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
6ELUM7	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
6H8FTZ	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6KAKYU	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
6Q2QYP	Yfiler® 4sp	14	11,13	13	29	24	11	NR	NR
		15	12	13	18	NR	17		
					23		12		
6WHKGE	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
78J4UT	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7DM997	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-



TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

7QAKUF	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
7QNZUB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
87KEU4	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8ERCFM	4sp						11		
								2	
8ETZ4R	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
8JTBYR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
8QJUJT	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9ALNVX	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9AYDWP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9JMFTQ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

9PFB2Q	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9QEYUT	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
9RDT3Y	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
9WLENB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
9X7W8N	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
A2Z8LV	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
A47RAV	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
ABM3MW	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJVWE4	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AJWUPY	4sp						11		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

AKPP92	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
AMFNQ7	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AV6QGF	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AWLQRW	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
AWTMRW	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
AYUR6G	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
B34L67	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
B7AR4Z	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
BJZKNU	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
BN86HT	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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	
<b>Item 4sp</b>									
BR8F82	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
BXWWWY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
CLGB6P	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
CXF6J8	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
DDND2M	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
E73RLN	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
E9XR9X	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
ELCNNM	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ELK2V4	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
FQYRZX	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

FRRHC6	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	n/t	n/t
		n/t	n/t	n/t	23	n/t	12	n/t	
FW92DL	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FWAQNB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
FWP62L	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GAA7VX	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GCR79T	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
GJFYBK	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GJGPK9	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GLMABU	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
GV9BTP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

HJRVFP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HMDLJE	Globalfiler 4sp						11		
								2	
HW4GMN	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
HX6K24	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
HXBRAR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
J4E4RA	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
J76ZLB	Yfiler® 4sp	NR	11,13	13	29	24	11	NR	13
		15	12	13	18	16	17		
					23		12		
J7YTCM	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JJ7XB3	Yfiler® 4sp	14	13			24	11		13
		15	12	13	18	16	17		
					23		12		
JMUAME	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

JKTP2	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
JZB6P6	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
K3ZTMQ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KCL888	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KHAUZR	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
KP8HWX	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
KVYFX9	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
L2GJTF	PowerPlex® Y PPY23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
LNUCVE	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
LWAZYG	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp

LY7MFY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
M39ZHH	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
MGTBFL	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
MJV3JR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	
MVUZD8	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N4AG26	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N6PJ3C	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
N8EZBY	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
NA49T2	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
NWXZU6	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					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 4sp

NWYYY	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
PDKT6V	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	23	-	12	-	-
Q67BD9	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
Q98CJX	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
QEMBFV	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
QKDGHC	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QRDZDF	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
QVJCM4	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
QWM9TY	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
QZ8Z42	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	-	-
		-	-	-	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 4sp

R8ALN3	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
RB9QDF	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
T3U7YB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
T4GWM9	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
T88BAB	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TCEJ TZ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
TGLDAP	PowerPlex® Y Y23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
TV8EHG	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
TXRLFJ	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
U6NKNJ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

U99P29	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UR44TK	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
UXAYEF	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
V7X8GH	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
VFPGC8	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
VHBCLT	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
VMU9PB	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VR2TKV	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
VX7N3A	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
WC37UT	4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
				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 4sp

WQ32V3	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
WRXMJR	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	NT	NT
		NT	NT	NT	23	NT	12	NT	
X2FLM2	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
X2GLKG	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
Y3BKKZ	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
YA24L3	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
YQWCX9	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		
YVUYHN	PowerPlex® Y 4sp	14	11,13	13	29	24	11	14	13
		15	12	13					
Z4VXD3	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ZNL6U7	PowerPlex® Y 23 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17	24	13
		12	17	18	23	10	12		

TABLE 3

WebCode	Item	DYS19 DYS437 DYS549	DYS385 DYS438 DYS570	DYS389-I DYS439 DYS576	DYS389-II DYS448 DYS635	DYS390 DYS456 DYS643	DYS391 DYS458 Y GATA H4	DYS392 DYS481 Y Indel	DYS393 DYS533
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Item 4sp

ZPU9FG	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		
ZWX3HP	Yfiler® 4sp	14	11,13	13	29	24	11	14	13
		15	12	13	18	16	17		
					23		12		

# Additional DNA Results

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 4e	Item 4sp
D6S1043	3BB4FR	11,11	11,17	11,11	11,[17]	11,17
	4WARKT	11,11	11,17	11,11	11,17	11,17
	6Q2QYP	11,11	11,17	11,11	11,17	11,17
	8EZ4KP	11,11	11,17	11,11	11,17	11,17
	CBYRQK	11,11	11,17	11,11	11,17	11,17
	CDHRPM	11,11	11,17	11,11	11,11	11,17
	E98DFF	11,11	11,17	11,11	11,17	11,17
	GCFDPC	11,11	11,17	11,11	11,[17]	11,17
	J76ZLB	11,11	11,17	11,11	11,(17)	11,17
	KFM2GB	11,11	11,17	11,11	11,17	11,17
	KVYFX9	11,11	11,17	11,11	11,[17]	11,17
	MVUZD8	11,11	11,17	11,11	11,17	11,17
	NYAUU4	11,11	11,17	11,11	11,[17]	11,17
	QUPJT6	11,11	11,17	11,11	11,17	11,17
	R8ALN3	11,11	11,17	11,11	11,[17]	11,17
	TBLQZ3	11,11	11,17	11,11	11,11,[17]	11,17
	UWYXP2	11,11	11,17	11,11	11,17	11,17
DYS391	NWXZU6		11		11	11
	TPCVNX		11		11	11
DYS391 (in PPF amp)	X4JBWX	NR	11	NR	11	11
INDEL	TPCVNX		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	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
24GJUZ	Yes	Yes	No	Yes	3J8282	Yes	Yes	No	Yes
24JA6P	Yes	Yes	No	Yes	3UPHXM	Yes	Yes	No	Yes
2B86MR	Yes	Yes	No	Yes	48AH4F	Yes	Yes	No	Yes
2ECWRB	Yes	Yes	No	Yes	49K8MR	Yes	Yes	No	Yes
2F6TBD	Yes	Yes	No	Yes	4J32K7	Yes	Yes	No	Yes
2GKUF2	Yes	Yes	No	Yes	4NH CXA	Yes	Yes	No	Yes
2GZD2J	Yes	Yes	No	Yes	4WARKT	Yes	Yes	No	Yes
2HA69E	Yes	Yes	No	Yes	4XWK6B	Yes	Yes	No	Yes
2JCWD3	Yes	Yes	No	Yes	4Y969D	Yes	Yes	No	Yes
2KYPXJ	Yes	Yes	No	Yes	63ZYYQ	Yes	Yes	No	Yes
2NM4NE	Yes	Yes	No	Yes	64YVUF	Yes	Yes	No	Yes
2U27EN	Yes	Yes	No	Yes	68JZ96	Yes	Yes	No	Yes
2U938Z	Yes	Yes	No	Yes	69F3RF	Yes	Yes	No	Yes
2UVD79	Yes	Yes	No	Yes	6BLP6K	Yes	Yes	No	Yes
2ZB9UQ	Yes	Yes	No	Yes	6ELUM7	Yes	Yes	No	Yes
32Y23E	Yes	Yes	No	Yes	6H8FTZ	Yes	Yes	No	Yes
39H9JJ	Yes	Yes	No	Yes	6JBVX	Yes	No	No	Yes
39YL4A	Yes	Yes	No	Yes	6KAKYU	Yes	Yes	No	Yes
3ATB93	No Interpretations Reported, DNA Analyzed for Database purposes only.				6NPZLE	Yes	Yes	No	Yes
3BB4FR	Yes	Yes	No	Yes	6Q2QYP	Yes	Yes	No	Yes
3EUYHK	Yes	Yes	No	Yes	6VNRP3	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
6WHKGE	Yes	Yes	No	Yes	9ALNVX	Yes	Yes	No	Yes
736KGR	Yes	Yes	No	Yes	9AYDWP	Yes	Yes	No	Yes
78J4UT	Yes	Yes	No	Yes	9CPJE2	Yes	Yes	No	Yes
7DM997	Yes	Yes	No	Yes	9F2JGU	Yes	Yes	No	Yes
7LFE7D	Yes	Yes	No	Yes	9JMFTQ	Yes	Yes	No	Yes
7QAKUF	Yes	No	No	Yes	9M8288	Yes	Yes	No	Yes
7QNZUB	Yes	Yes	No	Yes	9PFB2Q	Yes	Yes	No	Yes
7ZCWVB	Yes	Yes	No	Yes	9QEYUT	Yes	Yes	No	Yes
87KEU4	Yes	Yes	No	Yes	9RDT3Y	Yes	Yes	No	Yes
893MQH	Yes	Yes	No	Yes	9RDVPH	Yes	Yes	No	Yes
89MC3C	No Interpretations Reported, DNA Analyzed for Database purposes only.				9RWPCD	Yes	Yes	No	Yes
8B6NRF	Yes	Yes	No	Yes	9WLENB	Yes	Yes		Yes
8BFAL4	Yes	Yes	No	Yes	9X7W8N	Yes	Yes	No	Yes
8CRWC6	Yes	Yes	No	Yes	A2Z8LV	Yes	Yes	No	Yes
8ERCFM	Yes	Yes	No	Yes	A3CU6V	Yes	Yes	No	Yes
8ETZ4R	Yes	Yes	No	Yes	A47R8A	Yes	Yes	No	Yes
8EZ4KP	Yes	Yes	No	Yes	A47RAV	Yes	Yes	No	Yes
8G6UR6	Yes	Yes	No	Yes	AA9RFQ	Yes	Yes	No	Yes, Item 4sp; No, Item 4e
8JTBYR	Yes	Yes	No	Yes	ABM3MW	Yes	Yes	No	Yes
8NYXM2	Yes	Yes	No	Yes	AJVWE4	Yes	Yes	No	Yes
8QJUJT	Yes	Yes	No	Yes	AJWUPY	Yes	Yes	No	Yes
8VKTW7	Yes	Yes	No	Yes	AKDU22	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8ZQKQB	Yes	Yes	No	Yes	AKPP92	Yes	Yes	No	Yes



TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
AMFNQ7	Yes	Yes	No	Yes	CJA3V6	Yes	Yes	No	Yes
ANBETE	Yes	Yes	No	Yes	CJTW3	Yes	Yes	No	Yes
APJJA9	Yes	Yes	No	Yes	CLGB6P	Yes	Yes	No	Yes
AQDC48	Yes	Yes	No	Yes	CXF6J8	Yes	Yes	No	Yes
AV6QGF	Yes	Yes	No	Yes	CZDKXW	Yes	Yes	No	Yes
AWLQRW	Yes	Yes	No	Yes	CZHUV	Yes	Yes	No	Yes
AWTMRW	Yes	Yes	No	Yes	DADG9D	Yes	Yes	No	Yes
AYUR6G	Yes	Yes	No	Yes	DDND2M	Yes	Yes	No	Yes
B34L67	Yes	Yes	No	Yes	DQ6DMF	Yes	Yes	No	Yes
B74RNH	Yes	Yes	No	Yes	E73RLN	Yes	Yes	No	Yes
B7AR4Z	Yes	Yes	No	Yes	E78FLL	Yes	Yes		Yes
BBD2ME	Yes	Yes	No	Yes	E7G7W4	Yes	Yes	No	Yes
BGKGGW	No Interpretations Reported, DNA Analyzed for Database purposes only.				E98DFF	Yes	Yes	No	Yes
BJZKNU	Yes	Yes	No	Yes	E9XR9X	Yes	Yes	No	Yes
BN86HT	Yes	Yes	No	Yes	ECJGTB	Yes	Yes	No	Yes
BR8F82	Yes	Yes	No	Yes	ELCNNM	Yes	Yes	No	Yes
BXWWWY	Yes	Yes	No	Yes	ELK2V4	Yes	Yes	No	Yes
C6B39V	Yes	Yes	No	Yes	ENWGP4	Yes	Yes	No	Yes
C8FQG7	Yes	Yes	No	Yes	EPQBEL	Yes		No	Yes
CBXRT7	Yes	Yes	No	Yes	EXGUH9	Yes	Yes	No	Yes
CBYRQK	Yes	Yes	No	Yes	F3EG4A	Yes	Yes	No	Yes
CDHRPM	Yes	Yes	No	Yes	F4YM7D	Yes	Yes	No	Yes
CJ7CUN	Yes	No	No	Yes	FQYRZX	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
FRRHC6	Yes	Yes	No	Yes	HMDLJE	Yes	Yes	No	Yes
FW92DL	Yes	Yes	No	Yes	HV9VWH	Yes	Yes	No	Yes
FWAQNB	Yes	Yes	No	Yes	HW4GMN	Yes	Yes	No	Yes
FWP62L	Yes	Yes	No	Yes	HVV9LN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
G7P2G9	Yes	Yes	No	Yes	HX6K24	Yes	Yes	No	Yes
GAA7VX	Yes	Yes	No	Yes	HXBRAR	Yes	Yes	No	Yes
GCFDPC	Yes	Yes	No	Yes	J4E4RA	Yes	Yes	No	Yes
GCR79T	Yes	Yes	No	Yes	J4GRDU	Yes	Yes	No	Yes
GDB3QK	Yes	Yes	No	Yes	J76ZLB	Yes	Yes	No	Yes
GG64L8	Yes	Yes	No	Yes	J7YTCM	Yes	Yes	No	Yes
GGEQC2	Yes	Yes	No	Yes	JA2P43	Yes	Yes	No	Yes
GJFYBK	Yes	Yes	No	Yes	JB7MTC	Yes	Yes	No	Yes
GJGPK9	Yes	Yes	No	Yes	JDQYD4	Yes	Yes	No	Yes
GLMABU	Yes	Yes	No	Yes	JJ7XB3	Yes	Yes	No	Yes
GQG7XZ	Yes	Yes	No	Yes	JKFR4G	Yes	Yes	No	Yes
GRNMXQ	Yes	Yes	No	Yes	JKFXFA	Yes	Yes	No	Yes
GUEQ3J	Yes	Yes	No	Yes	JMUAME	Yes	Yes	No	Yes
GUZ9YD	Yes	Yes	No	Yes	JNFZBC	Yes	Yes	No	Yes
GV9BTP	Yes	Yes	No	Yes	JQMAN4	Yes	Yes	No	Yes
H7PBUQ	Yes	Yes	No	Yes	JVKTP2	Yes	Yes	No	Yes
HBXY8T	No Interpretations Reported, DNA Analyzed for Database purposes only.				JXA87P	Yes	Yes	No	Yes
HG9UGW	Yes	Yes	No	Yes	JXAXJY	Yes	Yes	No	Yes
HJRVFP	Yes	Yes	No	Yes	JYB9UF	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
JZB6P6	Yes	Yes	No	Yes	MGTBFL	Yes	Yes	No	Yes
K3ZTMQ	Yes	Yes	No	Yes	MJV3JR	Yes	Yes	No	Yes
K7DPBZ	Yes	Yes	No	Yes	MQF8J8	No Interpretations Reported, DNA Analyzed for Database purposes only.			
K7H4KU	Yes	Yes	No	Yes	MVQFQ4	Yes	Yes	No	Yes
KCL888	Yes	Yes	No	Yes	MVUZD8	Yes	Yes	No	Yes
KFM2GB	Yes	Yes	No	Yes	N2DKZJ	Yes	Yes	No	Yes
KHAUZR	Yes	Yes	No	Yes	N4AG26	Yes	Yes	No	Yes
KP8HWX	Yes	Yes	No	Yes	N6PJ3C	Yes	Yes	No	Yes
KQMMVW	Yes	Yes	No	Yes	N8EZBY	Yes	Yes	No	Yes
KVYFX9	Yes	Yes	No	Yes	NA49T2	Yes	Yes	No	Yes
KYBJB4	Yes	Yes	No	Yes	NA64ER	Yes	Yes	No	Yes
KZAHUC	Yes	Yes	No	Yes	NGN7LU	Yes	Yes	No	Yes
L2GJTF	Yes	Yes	No	Yes	NH3FQN	Yes	Yes	No	Yes
LJBCLZ	Yes	Yes	No	Yes	NLVQFT	Yes	Yes	No	Yes
LNUCVE	Yes	Yes	No	Yes	NUWWFP	Yes	Yes	No	Yes
LQL6ED	Yes	Yes	No	Yes	NWKKJ3	Yes	Yes	No	Yes
LWAZYG	Yes	Yes	No	Yes	NWXZU6	Yes	Yes	No	Yes
LY7MFY	Yes	Yes	No	Yes	NWYYYY	Yes	Yes	No	Yes
M39ZHH	Yes	Yes	No	Yes	NXUJQ6	Yes	Yes	No	Yes
M4FC87	Yes	Yes	No	Yes	NYAUU4	Yes	Yes	No	Yes
M6E84V	Yes	Yes	No	Yes	PDKT6V	Yes	Yes	No	Yes
M8CXY9	Yes	Yes	No	Yes	PLWPH2	Yes	Yes	No	Yes
MFUA9U	Yes	Yes	No	Yes	PN7YBY	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
PPCJYY	Yes	Yes	No	Yes	T4GWM9	Yes	Yes	No	Yes
PVJV9E	Yes	Yes	No	Yes	T7MJ7T	Yes	Yes	No	Yes
Q67BD9	Yes	Yes	No	Yes	T82W2G	Yes	Yes	No	Yes
Q98AUT	Yes	Yes	No	Yes	T88BAB	Yes	Yes	No	Yes
Q98CJX	Yes	Yes	No	Yes	TBLQZ3	Yes	Yes	No	Yes
QC6TWR	Yes	Yes	No	Yes	TCEJTZ	Yes	Yes	No	Yes
QEMBFV	Yes	Yes	No	Yes	TGLDAP	Yes	Yes	No	Yes
QJ3PBG	Yes	Yes	No	Yes	TK73U3	Yes	Yes	No	Yes
QKDGHC	Yes	Yes	No	Yes	TPCVNX	Yes	Yes	No	Yes
QPRX4N	Yes	Yes	No	Yes	TRR2GU	Yes	Yes	No	Yes
QRDZDF	Yes	Yes	No	Yes	TTP6EB	Yes	Yes	No	Yes
QUPJT6	Yes	Yes	No	Yes	TV8EHG	Yes	Yes	No	Yes
QVJCM4	Yes	Yes	No	Yes	TXRLFJ	Yes	Yes	No	Yes
QWM9TY	Yes	Yes	No	Yes	U6NKNJ	Yes	Yes	No	Yes
QZ8Z42	Yes	Yes	No	Yes	U7L2Q9	Yes	Yes	No	Yes
R36XRY	Yes	Yes	Inc	Inc	U99P29	Yes	Yes	No	Yes
R8622Y	Yes	Yes	No	Yes	UA8NKG	Yes	Yes	No	Yes
R8ALN3	Yes	Yes	No	Yes	UEY34W	Yes	Yes	No	Yes
RB9QDF	Yes	Yes	No	Yes	UR44TK	Yes	Yes	No	Yes
RUKJBG	Yes	Yes	No	Yes	UVM7RD	Yes	Yes	No	Yes
RV79BV	Yes	Yes	No	Yes	UWYXP2	Yes	Yes	No	Yes
RXJWWF	No Interpretations Reported, DNA Analyzed for Database purposes only.				UXAYEF	Yes	Yes	No	Yes
T3U7YB	Yes	Yes	No	Yes	V7X8GH	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
VCBWBD	Yes	Yes	No	Yes	X2GLKG	Yes	Yes	No	Yes
VFPGC8	Yes	Yes	No	Yes	X2VR3R	Yes	Yes	No	Yes
VHBCLT	Yes	Yes	No	Yes	X3BCNA	Yes	Yes	No	Yes
VKJG8U	Yes	Yes	No	Yes	X4JBWX	Yes	Yes	No	Yes
VLYMX6	Yes	Yes	No	Yes	X4RAEE	Yes	Yes	No	Yes
VMLFHM	Yes	Yes	No	Yes	XCZXZZ	Yes	Yes	No	Yes
VMU9PB	Yes	Yes	No	Yes	XKQJ4D	Yes	Yes	No	Yes
VR2TKV	Yes	Yes	No	Yes	XKXJB9	Yes	Yes	No	Yes
VR3G9Z	Yes	Yes	No	Yes	XNM8GD	Yes	Yes	No	Yes
VU8D9V	Yes	Yes	No	Yes	XNNT8Y	Yes	Yes	No	Yes
VWFCUP	Yes	Yes	No	Yes	XP6ZQN	Yes	Yes	No	Yes
VX2CED	Yes	Yes	No	Yes	XT8RUU	Yes	Yes	No	Yes
VX7N3A	Yes	Yes	No	Yes	XX3J3R	Yes	Yes	No	Yes
VZHA6H	Yes	Yes	No	Yes	Y3BKKZ	Yes	Yes	No	Yes
W2HW6Z	Yes	Yes	No	Yes	YA24L3	Yes	Yes	No	Yes
W9HEHQ	Yes	Yes	No	Yes	YCWTZG	Yes	Yes	No	Yes
WC37UT	Yes	Yes	No	Yes	YJE2MT	Yes	Yes	No	Yes
WHQQVN	Yes	Yes	No	Yes	YLLE7F	Yes	Yes	No	Yes
WJZZML	Yes	Yes	No	Yes	YQWCX9	Yes	Yes	No	Yes
WQ32V3	Yes	Yes	No	Yes	YT3Y87	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WRXMJR	Yes	Yes	No	Yes	YVUYHN	Yes	Yes	No	Yes
WWCZLZ	Yes	Yes	No	Yes	YXE29	Yes	Yes	No	Yes
X2FLM2	Yes	Yes	No	Yes	Z2PDQ3	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
Z4VXD3	Yes	Yes	No	Yes					
ZEAYRN	Yes	Yes	No	Yes					
ZEFAPF	Yes	Yes	No	Yes					
ZFUH8G	Yes	Yes	No	Yes					
ZKNEUL	Yes	Yes	No	Yes					
ZNL6U7	Yes	Yes	No	Yes					
ZPU9FG	Yes	Yes	No	Yes					
ZV8TZA	Yes	Yes	No	Yes					
ZWX3HP	Yes	Yes	No	Yes					

Response Summary			Participants reporting DNA results: 327			
<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 &amp; 4)?</i>						
<b>Responses</b>		Victim (Item 1)		Suspect (Item 2)		
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>	
	Yes	<b>318</b>	<b>314</b>	<b>0</b>	<b>317</b>	
	No	<b>0</b>	<b>3</b>	<b>315</b>	<b>0</b>	
	Inc	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	

Participants not reporting Interpretation results: 9

# Additional Comments

TABLE 6

WebCode	Additional Comments
2B86MR	[From Table 3- YSTR Results, Items 1 & 3: "NR = No Result"].
2F6TBD	The minifiler results were consistent with the Identifiler Plus results. [From Table 1 - Serology Screening Tests, Item 4: "ARD = Amylase Radial Diffusion."]
2JCWD3	NR = No results detected. All screening tests performed by a forensic biologist. [From Table 1 - Serology Screening Tests, Item 3: " *AP test inconclusive due to reddish-brown color of stain"; Screening Tests, Item 4: "*SH = Sperm Hy-Liter".]
2NM4NE	No STR results obtained for substrate controls
39H9JJ	Partial profile developed from SP fraction of Item 4 - Suspect is source. Minor profile developed from EC fraction of Item 4 - Suspect is source. Note: Due to lower than expected results the sample (Item 4) was re-extracted. The new extract was amp'ed with BSA & Taq in an attempt to improve the results.
3EUYHK	3130 step completed by analyst [Name] due to [Name] pregnancy.
3J8282	Items #3 & #4 - Sperm/semen testing performed by Forensic Biology examiner [Name], results provided to [Name] in order to determine how to proceed with each sample (non-differential vs. differential extraction). (Sexual assault cases are screened in Forensic Biology unit prior to being processed in DNA unit.) KM testing was also performed by primary analyst [Name]. [From Table 1 - Serology Screening Tests, Items 3 & 4: "[ ] = by FB examiner"]
48AH4F	A negative control yielded unexpected results. The source of the contamination in this control sample is known. The remaining controls yielded the expected results. This does not affect the interpretation of the DNA profiles in the remaining samples.
4WARKT	Please note that the victim (Item 1) is excluded as a contributor to the sperm (male) fraction of Item 4. A statistical analysis of the result from the non-sperm (female) fraction of Item 4 provides support for the hypothesis that the victim (Item 1) could be a contributor to this fraction. Considering both of these results, the victim (Item 1) could therefore be a contributor to Item 4.
4Y969D	MiniFiler was performed[sic] on Items 3 and 4. Results were concordant at all overlapping loci.
6Q2QYP	NR = Not reportable
6VNRP3	The genotypes identified from Item 3 are consistent with the DNA profile of Item 1. The results identified from Item 3 do not indicate a mixture of DNA and are consistent with a single female donor. Based on the analysis performed, Item 1 cannot be excluded as the source of the human blood indicated on Item 3. Item 2 can be excluded from Item 3. The results identified from Item 4 (sperm and e-cell fractions combined) are consistent with a mixture of DNA from two individuals. All of the results identified from Item 4 are consistent with a mixture of DNA from Item 1 and Item 2.
9RWPCD	NT = Not Tested. [From Table 3 - YSTR Results, Items 1, 2 & 3: " Not Tested".]
AA9RFQ	Results for suspect (Item 2) being a contributor to Item 4 (post coital stain) SS184993E (PC). Results per suspect (Item 2) being excluded as contributor to Item 4 (blood stain) SS166302E.
AQDC48	NR = No Result
AWTMRW	*Item #3, INC AP - unable to discern color change due to reddish-brown stain. Sexual assault kits/cases are screened in the Forensic Biology unit prior to being processed in the DNA unit.
CZHUVF	Item 1 - Elevated stutter observed at D5 (12 allele in stutter position). Item 1.4-e - Elevated stutter observed at D8 (15 allele in stutter position)
ECJGTB	All of the "NR" designations for the Y-Filer loci of Items 1 and 3 demonstrate that there are no results for all loci. Both Item 1 and Item 3 did not produce a Y-Filer profile because based on the Amelogenin gender determining marker produced in the Identifiler profile, Item 1 and Item 3 are both female (X,X).
ELCNNM	Sexual assault cases are screened in the Forensic Biology Unit prior to being transferred to the DNA Unit.

TABLE 6

WebCode	Additional Comments
	The DNA analyst assigned to this proficiency test performed KM testing and a qualified forensic biologist performed remainder of screening tests indicated on page 2 of 9[Table 1: Serology Screening Results]. Item #3 - Inconclusive AP (unable to discern color change due to reddish-brown stain).
EPQBEL	Missing Persons and Unidentified Remains DNA analysis protocols were used for this test. According to these protocols, autosomal DNA profiles resulting from DNA mixtures are not interpreted. Identifiler Plus and Minifiler results were used to enter a composite autosomal DNA profile for Item 4. Identifiler Plus and Minifiler results were concordant for Items 1, 2, and 3. The Identifiler Plus and Minifiler profiles were concordant for Item 4 except for at D13S317 and FGA in which they were consistent, but more genetic information was obtained from the Minifiler results. The "Yes" conclusion for the Suspect being a contributor to the questioned stain (Item 4) was based on the Y-chromosomal DNA profile interpretations and comparisons.
F4YM7D	*: Inconclusive for presence of additional allele(s). Note: A full profile was not obtained from item 4 (victims shorts) epithelial fraction. Current standard practice is not to perform re-work if sample is not probative.
FRRHC6	n/t = not tested
G7P2G9	The NRs listed for Item 1 and Item 3 Yfiler indicates No Results.
GCR79T	Multiplex PCR amplification was performed on the Organic @ Phenol/Chloroform (Item 1, Item 2 and Item 3) and Chelex (Item 4) extracted DNA samples using Applied Biosystems AmpF/STR Identifiler Plus and Y-filer amplification kits.
HMDLJE	Reported inconclusive for Item 3 at D2S1338 because the loci was imbalanced and the peak height ratio was below the desired number for our interpretation guidelines (44% vs 60%)
J4E4RA	Item 1.3, PowerPlex Y - Y chromosome specific DNA testing was attempted on this item, but no Y chromosome haplotype was developed; therefore, PowerPlex Y was check-marked, but no alleles were entered.
J76ZLB	NR = Not Reportable
JJ7XB3	The sperm cell fraction for Item 4 was low (+2 sp) and quanted at 0 for the first cutting. I verified the quant result and took a 2nd cutting of Item 4 to re-extract. The sperm count was again at +2 but quanted at .002 ng. I moved forward with testing and developed a low level profile. The partial profile was re-amplified and confirmed. Additionally the partial low-level profile was consistent w/ the epithelial cell fraction minor foreign profile. Perhaps the sperm cells used were old and broke down into the e-cell fraction before the sp fraction wash.
JXA87P	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
KZAHUC	The laboratory does not routinely test for saliva in sexual assault cases.
LWAZYG	All screening tests performed by Forensic Biologist. NR = Tested but No Results.
MGTBFL	Two differential extractions were performed on Item 4 on separate dates. The epithelial fraction in both extractions had low quant value (0.003 and 0.008, respectively) of which both showed no indication of inhibition in the IPC in the Quant results. The profiles obtained from both epithelial fractions had low RFU values.
MQF8J8	Test was only performed for stain identification and reference standard purposes.
MVQFQ4	Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
NGN7LU	MiniFiler results for Item 1 and Item 2 were concordant with the Identifiler Plus results for the same items.
NLVQFT	[n*] indicates alleles below laboratory's reporting threshold.
NWYYYY	[From Table 3 - YSTR Results, Items 1 & 3: "NR = no results".]



TABLE 6

WebCode	Additional Comments
NXUJQ6	[From Table 2 - DNA Results, Items 1, 2, 3, 4e & 4sp: "NT = Not Tested".]
PDKT6V	1. Item 1 and 2 were extracted by in-situ extraction method. 2. Item 3 were extracted using Promega DNA IQ on Tecan Freedom Evo 150. 3. Item 4 were extracted using Chelex extraction method. 4. Amplification was done using the AmpFISTR Identifiler Direct kit on Item 1 and 2 and AmpFISTR Identifiler Plus kit on Item 3 and 4. 5. Y-STR was carried out using the AmpFISTR Y-Filer kit on Item 1 to 4. 6. Electrophoresis was carried out using 3130xl Genetic Analyzer. 7. Reagent Blank, Positive Control and Negative Control were carried out along with the analysis.
PLWPH2	Item 4 sperm/substrate fraction was a mixture with the minor being insufficient for comparison (only 3 minor alleles reproduced and were consistent with carry over from epi) minor not included on table. DNA Analysis was performed as follows: 1) Extraction with the Qiagen BioRobot EZ-1 Advanced XL using the EZ-1 Investigator Kit chemistry. Differential extraction performed using QIAcube. 2) Quantification on the 7500 using QuantDuo Kit. 3) Amplification on the 9700 thermal cycler, 32 cycles, using Promega PowerPlex 16. 4) Data collection and Analysis using the 3500xl Genetic Analyzer and GeneMapper ID-X software.
PN7YBY	1. Differential samples processed on the Qiagen Qiacube instrument prior to EZ-1 extraction. 2. DNA extraction was performed on the Qiagen BioRobot EZ-1 Advanced XL robot using the EZ-1 Investigator Kit chemistry. 3. Quantification was performed on the 7500 RT-PCR instrument using AB Quantifiler Duo kit. 4. Amplification was performed on the AB 9700 thermal cycler. 5. Data collection and analysis was done using the AB 3500-xl Genetic Analyzer and GeneMapper ID-X software. Note: The majority of alleles were in the stochastic range for the sperm fraction profile of item 4, therefore this sample was suitable for exclusions only. Allelic dropout was observed in replicate amplifications.
QEMBFV	Additional alleles at D18, Penta D, D8, TPOX, and FGA in PowerPlex 16 sperm fraction of item 4 consistent with alleles found in complementary fraction.
QJ3PBG	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
QUPJT6	Victim could be a contributor to the non-sperm fraction of Item 4. Victim is excluded as a contributor to the sperm fraction of Item 4.
T3U7YB	Sexual assault cases are screened in the Forensic Biology Unit prior to being processed in the DNA Unit. Samples #3 and #4 were tested and the following results were generated: #3: Blood - positive (KM, RSID-Blood), semen - negative (Micro, P30), feces - negative (Urobilinogen) and AP - (INC = inconclusive). #4: Blood - positive (KM, RSID-Blood), semen - positive (AP, P30, Micro) and urine - negative (RSID-Urine). Analyst conducted KM screening test on samples #3 and #4: #3: KM-positive. #4: KM-positive.
TGLDAP	NO VICTIM DNA IN MALE FRACTION OF ITEM 4.
TV8EHG	@ = additional peaks below reportable levels observed
UR44TK	Y-typing only performed on DNA extracts from Item #2 and #4.
UVM7RD	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
VHBCLT	Both fractions of Item 4 are characteristic of a mixture profile. Mixtures are not unexpected in fractions of differentially extracted samples. All minor alleles in the sperm fraction can be attributed to the victim.
W2HW6Z	Item 4 (epithelial and sperm fractions) displays a mixture of the victim and suspect with no foreign alleles present. The major component of the epithelial fraction is the female victim and the minor component is consistent with carry-over from the sperm fraction. The major component of the sperm fraction is the male suspect and the minor component is consistent with carry-over from the epithelial fraction.
WRXMJR	NT = Not typed. NR = No typing result at this locus. n/a = not applicable
WWCZLZ	The Laboratory does not routinely test for saliva in sexual assault cases.
X2VR3R	NR = no results Item 3 and Item 4 were also tested in the MiniFiler kit. Results were concordant with the

TABLE 6

WebCode	Additional Comments
	Identifiler loci.
X6ZDWJ	Submitted for screening only.
YLLE7F	MiniFiler results were consistent with Identifiler Plus results.
YXEV29	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
ZNL6U7	Item 3 was amplified with Powerplex Y23 due to the level of male DNA indicated in the quant, but no markers were observed.
ZPU9FG	Analysis for Item 1 and Item 2 was carried out by the FTA method. DNA extraction for Item 3 and Item 4 was by phenol-chloroform method. Amplification kits used were the Identifiler® Direct/Plus (STR) and Yfiler® (YSTR). Separation and detection was on the ABI 3130xl Genetic Analyzer and analysis was by GeneMapper® ID v3.2.1.

# Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

\*\*\*\*\*

## Test No. 14-576: Forensic Biology

DATA MUST BE RECEIVED BY December 15, 2014 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

### Accreditation Release Statement

CTS submits external proficiency test data directly to ASCLD/LAB and ANSI-ASQ NAB/FQS. Please select one of the following statements to ensure your data is handled appropriately.

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

#### Scenario:

Police are investigating a sexual assault case involving a female victim who was attacked while walking from the laundry room of her apartment complex. A detailed description of the attacker led investigators to a suspect within hours of the incident. The investigators are submitting stains from the suspect's shirt and the victim's shorts for analysis along with blood samples of the female victim and the male suspect.

#### Items Submitted (Sample Pack B6):

- Item 1: Known blood from the female victim.
- Item 2: Known blood from the male suspect.
- Item 3: Questioned stain from the suspect's shirt. (plaid material)
- Item 4: Questioned stain from the victim's shorts. (yellow and grey patterned material)

### **\*\*Please note the following Significant Changes to the Data Sheet\*\***

Due to the growing use of GlobalFiler™, Powerplex® Fusion and Powerplex® Y23, the Data Sheet has been updated to include the loci represented by these new amplification kits. In addition, the data sheet was redesigned to gather all the information for a single item on one page, including capturing the amplification kit used for the analysis for each item. As always, the paper version of our data sheet displays loci in alpha-numeric order. To re-order the loci to match your amplification kit, please utilize our online data entry at [www.CTS-Portal.com](http://www.CTS-Portal.com).

#### Online Data Entry

Visit [www.cts-portal.com](http://www.cts-portal.com) to enter and/or upload your proficiency test results online. If you have any questions please do not hesitate to contact CTS.

**Please return all pages of this data sheet.**

Page 1 of 9

**Part I: SCREENING TESTS**

**Note: Laboratories submitting their results for ASCLD/LAB or NATA accreditation MUST identify any screening tests performed and report the test results.**

Indicate the results of any screening tests performed on the questioned stains (Items 3 & 4).

Please use the abbreviations listed in this response key to fill in the Screening Test tables on this page. This is not an all inclusive list of tests, and should not be used to determine what tests should be performed. TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

Test	Abbreviation	Test	Abbreviation
Acid Phosphatase	AP	Ortho-tolidine	O-tol
Alternate Light Source	ALS	Phenolphthalein-Tetramethyl benzidine	PTMB
Kastle Meyer	KM	Prostate Specific Antigen	PSA
Leucomalachite Green	LMG	Tetramethyl benzidine	TMB
Microscopic	Micro		

**Example**

Please indicate the Test(s) Performed on the corresponding line for each type of screening.

Item	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	KM, O-tol, PTMB
Semen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PSA
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
<b>Item 3</b>					
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
<b>Item 4</b>					
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).

<b>Example</b>	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D7S820	
<b>A</b>	<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>B</b>	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

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

As a reminder, the data sheet has been updated to include loci from the following amplification kits: GlobalFiler™, Powerplex® Fusion and Powerplex® Y23. If a locus is not listed on one of the following four pages of this data sheet, use the "Additional DNA Results" table below to report those results.

**Additional DNA Results**

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

	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
_____	<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 any kit specific information in the blank provided (i.e. 16, Plus, Direct, 16 HS, etc.).

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

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

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

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

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

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

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

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

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

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

*Part II (continued): DNA Results for Known Item 2*

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

COfiler®/Profiler Plus® \_\_\_\_\_  PowerPlex® \_\_\_\_\_

Identifiler® \_\_\_\_\_  Other \_\_\_\_\_

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

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

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

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

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

Yfiler® \_\_\_\_\_  PowerPlex® Y \_\_\_\_\_

Other \_\_\_\_\_

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

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

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

*Part II (continued): DNA Results for Questioned Item 3*

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

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

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

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

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

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

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

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

<b>ITEM</b>	<b>DYS19</b>	<b>DYS385</b>	<b>DYS389-I</b>	<b>DYS389-II</b>	<b>DYS390</b>	<b>DYS391</b>	<b>DYS392</b>	<b>DYS393</b>
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>ITEM</b>	<b>DYS437</b>	<b>DYS438</b>	<b>DYS439</b>	<b>DYS448</b>	<b>DYS456</b>	<b>DYS458</b>	<b>DYS481</b>	<b>DYS533</b>
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>ITEM</b>	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS635</b>	<b>DYS643</b>	<b>Y GATA H4</b>	<b>Y Indel</b>
<b>3</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Please return all pages of this data sheet.**



*Part II (continued): DNA Results for Questioned Item 4*

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

<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
4						

ITEM	D8S1179	D10S1248	D12S391	D13S317	D16S539	D18S51
4						

ITEM	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO	FGA
4						

ITEM	Penta D	Penta E	SE33	TH01	TPOX	vWA
4						

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

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

ITEM	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4								

ITEM	DYS437	DYS438	DYS439	DYS448	DYS456	DYS458	DYS481	DYS533
4								

ITEM	DYS549	DYS570	DYS576	DYS635	DYS643	Y GATA H4	Y Indel
4							

**Please return all pages of this data sheet.**

**Part 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.*

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**Return Instructions:** Data must be received via online data entry, fax (please include a cover sheet), or mail by *December 15, 2014* to be included in the report.

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

ONLINE DATA ENTRY: [www.cts-portal.com](http://www.cts-portal.com)  
FAX: +1-571-434-1937  
or Toll-Free: 1-866-FAX-2CTS (329-2287)  
MAIL: Collaborative Testing Services, Inc.  
P.O. Box 650820  
Sterling, VA 20165-0820 USA

**Please return all pages of this data sheet.**

## RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code:

WebCode:

for Test No. **14-576: Forensic Biology**

This release page must be completed and received by **December 15, 2014** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

### **ASCLD/LAB RELEASE**

If your lab has been accredited by ASCLD/LAB and you are submitting this data as part of their external proficiency test requirements, have the laboratory's designated individual complete the following.

***The information below must be completed in its entirety for the results to be submitted to ASCLD/LAB.***

ASCLD/LAB Legacy Certificate No. \_\_\_\_\_ ASCLD/LAB International Certificate No. \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### **ANSI-ASQ NAB/FQS RELEASE**

If your laboratory maintains its accreditation through ANSI-ASQ NAB/FQS, please complete the following form in its entirety to have your results forwarded.

ANSI-ASQ NAB/FQS Certificate No. \_\_\_\_\_

Signature and Title \_\_\_\_\_ Date \_\_\_\_\_

Laboratory Name \_\_\_\_\_

Location (City/State) \_\_\_\_\_

### Accreditation Release

#### **Return Instructions**

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

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

**Please return all pages of this data sheet.**

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