



Forensic Biology Test No. 18-5706 Summary Report

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 354 participants and are compiled into the following tables:

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This report contains the data received from the participants in this test. Since these participants are located in many countries around the world, and it is their option how the samples are to be used (e.g., training exercise, known or blind proficiency testing, research and development of new techniques, etc.), the results compiled in the Summary Report are not intended to be an overview of the quality of work performed in the profession and cannot be interpreted as such. The Summary Comments are included for the benefit of participants to assist with maintaining or enhancing the quality of their results. These comments are not intended to reflect the general state of the art within the profession.

Participant results are reported using a randomly assigned "WebCode". This code maintains participant's anonymity, provides linking of the various report sections, and will change with every report.

Manufacturer's Information

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains; one on clean, yellow fabric (Item 3) and one on clean, blue fabric (Item 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1, 2, 3, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Items 1 (75 μ l) and 4 (50 μ) were created using blood collected from the same male donor. Item 2 (75 μ l) was created using blood collected from a male donor, different from the donor used in Item 1. Item 3 (50 μ l) was created using a 1:1 mixture of blood collected from the male donor used in Item 1 and blood from the male donor used in Item 2. 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 16, 2018 following completion of the verification stage.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	11,12	23,23	11,12	15,17	12,12	*
	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15	2	
2	12,15.3	19,24	10,10	15,15	11,12	*
	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16	2	
3	11,12,15.3	19,23,24	10,11,12	15,17	11,12	*
	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16	2	
4	11,12	23,23	11,12	15,17	12,12	*
	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	11	19	15	21	24	14	11
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11	11	21	16	20	21	14	12
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	11	19,21	15,16	20,21	21,24	14	11,12
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	11	19	15	21	24	14	11

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

NM - Non-Male profile, YSTR results not expected.

Summary Comments

The 18-5706 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 4 were created using blood from the same male donor. Item 2 was created using blood from a male donor, different from the blood donor used for Items 1 and 4. Item 3 was created using a 1:1 mixture of blood collected from the donor used for Items 1 and 4 and blood collected from the donor used for Item 2. (See Manufacturer's Information for preparation details)

Data were returned by 354 participants.

Screening Test Results:

Screening results were returned by a total of 343 participants. However, not all of these participants returned screening results for all fluids (blood, semen, saliva) for both questioned items, which explains the large differences in the tallies discussed below.

For Item 3, all of the 339 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 150 participants that returned results reported "Negative". All of the 76 participants that returned results for saliva reported "Negative" results.

For Item 4, all of the 339 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 149 participants that returned results reported "Negative" results. All of the 70 participants that returned results for saliva, reported "Negative" results.

DNA Analysis Results:

Of the 342 participants that returned results, 331 reported DNA interpretations. Seven participants stated that the samples were only analyzed for database purposes and three selected the "No Interpretations" option individually for all of the Interpretation questions.

Thirty-one participants reported allelic results that differed from consensus/predistribution results for one or more items. Most of these participants reported an additional allele at one or more loci.

Three participants who indicated the use of Yfiler reported ">12" at the DYS438 locus for Item 1 where the consensus result was "13". Fourteen participants who indicated the use of PowerPlex Fusion reported ">24" or ">25" at the Penta E locus for Items 2 and 3 where the consensus result was "12,26" and "7,11,12,26". Additionally, one participant reported an "OL" allele and another reported a "25.4" allele at the Penta E locus for Items 2 and 3.

For the Item 3 stain, all 331 participants that reported interpretations included the victim (Item 1) and the suspect (Item 2) as possible contributors.

For the Item 4 stain, all 331 participants that reported interpretations included the victim (Item 1) as a possible contributor. In addition, all participants excluded the suspect (Item 2) as a possible contributor to the Item 4 stain.

A total of 97 participants reported the use of probabilistic genotyping (PG) software. There were several types of software used. However, the genotyping software STRmix was reported most frequently by participants. Of the participants utilizing a PG software, nine reported additional alleles at DYS570, DYS576 and/or DYS391 for Items 3 and 4. All of these participants explained that per their laboratory protocol, all peaks above their analytical threshold (allelic or stutter) would be reported.

Key for Screening Tests Used

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

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

Serology Screening Results

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

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
232BPQ					
Item 3	Pos	KM			
Item 4	Pos	KM			
267JPF					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
28CJTG					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
299WHU					
Item 3	Pos	VISUAL AND KM	Neg AP SCREEN	Neg PHADEBAS SCREEN - 10 MINS	URINE AND FAECES, Neg VISUAL / ODOUR ONLY
Item 4	Pos	VISUAL AND KM	Neg AP SCREEN	Neg PHADEBAS SCREEN - 10 MINS	URINE AND FAECES, Neg VISUAL / ODOUR ONLY
2BH8PC					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
2C4EME					
Item 3	Pos	KM, HemDirect	Neg PSA	NT	
Item 4	Pos	KM, HemDirect	Neg PSA	NT	
2EVPR9					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
2G6M8B					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
2GYJ86					
Item 3	Pos	Hemastix, HemaTrace	NT	NT	
Item 4	Pos	Hemastix, HemaTrace	NT	NT	
2K2CQ4					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
2LFP8L					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
2QBZCY					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
2U9ZDA					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
32MPN9					
Item 3	Pos	KM	Neg AP, Micro	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro	Neg RSID	
33DFMF					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
37UWRD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
3FHP2P					
Item 3	NT		Neg PSA	Neg RSID	Male DNA, Pos Y-screening
Item 4	NT		Neg PSA	Neg RSID	Male DNA, Pos Y-screening
3LRYDR					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
3PARGJ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
3TBPUX					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
3U6VFD					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
3XMFHD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
3YVAZD					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
3YX2RU							
Item 3	Pos	HemaTrace, KM	Neg	Micro, PSA	Neg	RSID	Male DNA, Pos Y-Screening
Item 4	Pos	HemaTrace, KM	Neg	Micro, PSA	Neg	RSID	Male DNA, Pos Y-Screening
4BTGLP							
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT		
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT		
4GUXVA							
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas	
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas	
4KUEGW							
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas	
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas	
4MGKRZ							
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT		
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT		
4MN3YR							
Item 3	Pos	O-tol, HemaTrace	NT		NT		
Item 4	Pos	KM, RSID-Blood	NT		NT		
4ND3LP							
Item 3	Pos	KM	NT		NT		
Item 4	Pos	KM	NT		NT		
4PLDJD							
Item 3	Pos	O-tol	Neg	AP	NT		
Item 4	Pos	O-tol	Neg	AP	NT		
4RUB84							
Item 3	Pos	O-tol, Seratec HemDirect Card	Neg	AP	NT		
Item 4	Pos	O-tol, Seratec HemDirect Card	Neg	AP	NT		
4RWKVZ							
Item 3	Pos	KM	Neg	AP	NT		
Item 4	Pos	KM	Neg	AP	NT		
4T84M4							
Item 3	Pos	O-tol, Seratec Blood card	Neg	AP, Micro, PSA, ALS	Neg	Seratec Amylase card, ALS	
Item 4	Pos	O-tol, Seratec Blood card	Neg	AP, Micro, PSA, ALS	Neg	Seratec Amylase card, ALS	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
4TRK37					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
4W79M3					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
6368K7					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
638CZY					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
6ARDEC					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
6EM6PU					
Item 3	Pos	KM, Takayama	NT	NT	
Item 4	Pos	KM, Takayama	NT	NT	
6FU9YR					
Item 3	Pos	KM, HemaTrace	Neg PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg PSA	Neg RSID	
6GP6M7					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
6JG426					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
6T7VNW					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
6UYDG6					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	
6VMV86					
Item 3	Pos	LMG, alpha-HuHb	NT	NT	
Item 4	Pos	LMG, alpha-HuHb	NT	NT	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
6VPG4K						
Item 3	Pos	KM, ABA card HemaTrace	NT	NT		
Item 4	Pos	KM, ABA card HemaTrace	NT	NT		
6W7TPW						
Item 3	Pos	LMG, HemaTrace	NT	NT		
Item 4	Pos	LMG, HemaTrace	NT	NT		
6WHXBT						
Item 3	Pos	KM, HemaTrace	NT	NT		
Item 4	Pos	KM, HemaTrace	NT	NT		
7322J2						
Item 3	Pos	LMG, HemaTrace	Neg	AP, PSA, Micro, ALS	NT	
Item 4	Pos	LMG, HemaTrace	Neg	AP, PSA, Micro, ALS	NT	
76AARL						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
77Q986						
Item 3	Pos	LMG	Neg	AP	Neg	RSID-Saliva
Item 4	Pos	LMG	Neg	AP	Neg	RSID-Saliva
7DNXNA						
Item 3	Pos	KM;HemaTrace	NT	NT		
Item 4	Pos	HemaTrace	NT	NT		
7JC74E						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
7JTWZY						
Item 3	Pos	LMG, HemaTrace	NT	NT		
Item 4	Pos	LMG, HemaTrace	NT	NT		
7K4RNC						
Item 3	Pos	O-tol	Neg	AP	NT	
Item 4	Pos	O-tol	Neg	AP	NT	
7LEJTL						
Item 3	Pos	KM, Hema	Neg	PSA	Neg	RSID
Item 4	Pos	KM, Hema	Neg	PSA	Neg	RSID
7MPJQ2						
Item 3	Pos	ALS, O-tol, Seratec Hemdirect Card	Neg	AP, Micro, PSA, ALS	Neg	Seratec Amylase Card, ALS
Item 4	Pos	ALS, O-tol, Seratec Hemdirect Card	Neg	AP, Micro, PSA, ALS	Neg	Seratec Amylase Card, ALS

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
7NNGCV					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
7UAJ9Z					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
7ZDMYX					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
87J4ZC					
Item 3	Pos	COMBUR (TMB), KM	Neg AP, PSA	Neg Phadebas	
Item 4	Pos	COMBUR (TMB), KM	Neg AP, PSA	Neg Phadebas	
8BF7CL					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
8MTV3G					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
8UPQ32					
Item 3	Pos	KM			
Item 4	Pos	KM			
8V3MNT					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
8WEWLC					
Item 3	Pos	Visual, ALS, KM, ABACard HemaTrace	NT	NT	
Item 4	Pos	Visual, ALS, KM, ABACard HemaTrace	NT	NT	
8X33N4					
Item 3	Pos	LMG	Neg AP	Neg RSID-Saliva	
Item 4	Pos	LMG	Neg AP	Neg RSID-Saliva	
8X98A8					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
8XPBVL					
Item 3	Pos	KM	Neg p30	NT	
Item 4	Pos	KM	Neg p30	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
92Y9KK					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
963MND					
Item 3	Pos	KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
99GN4H					
Item 3	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-Screening
Item 4	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-Screening
9HFTRT					
Item 3	Pos	KM, HemDirect	Neg AP, PSA	NT	
Item 4	Pos	KM, HemDirect	Neg AP, PSA	NT	
9LP83C					
Item 3	Pos	KM, visual	Neg ALS, AP	NT	
Item 4	Pos	KM, visual	Neg ALS, AP	NT	
9VXWL3					
Item 3	Pos	LMG	Neg AP	Neg RSID - Saliva	
Item 4	Pos	LMG	Neg AP	Neg RSID - Saliva	
A22LWZ					
Item 3	Pos	color, ppth, O-tol	Neg AP, Micro	NT	
Item 4	Pos	color, ppth, O-tol	Neg AP, Micro	NT	
A83C7C					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
AARJQA					
Item 3	Pos	O-tol, HemaTrace			
Item 4	Pos	O-tol, HemaTrace			
AB7Y7W					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
ABN2N6					
Item 3	Pos	O-tol, HemDirect	Neg PSA	Neg Amylase	
Item 4	Pos	O-tol, HemDirect	Neg PSA	Neg Amylase	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
AFXCK6						
Item 3	Pos	HT	NT	NT		
Item 4	Pos	HT	NT	NT		
AKAB3Q						
Item 3	Pos	LMG, HemaTrace	NT	NT		
Item 4	Pos	LMG, HemaTrace	NT	NT		
AM2PVM						
Item 3	Pos	TMB	NT	NT		
Item 4	Pos	TMB	NT	NT		
AMXYAJ						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
AP9GVA						
Item 3	Pos	O-tol, HTR	NT	NT		
Item 4	Pos	O-tol, HTR	NT	NT		
ARW2MZ						
Item 3	Pos	Hemident, HemaTrace	NT	NT		
Item 4	Pos	Hemident, HemaTrace	NT	NT		
AUHNJU						
Item 3	Pos	LMG, HemaTrace	Neg	ALS, AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg	ALS, AP	NT	
AY8EE4						
Item 3	Pos	FOB	Neg	PSA, RSID	Neg	RSID
Item 4	Pos	FOB	Neg	PSA, RSID	Neg	RSID
B36BJN						
Item 3	Pos	KM	Neg	AP, Micro	NT	
Item 4	Pos	KM	Neg	AP, Micro	NT	
BBKVLZ						
Item 3	Pos	TMB, BLUE STAR OBTI	Neg	ALS, AP, RSID Semen	Neg	RSID Saliva
Item 4	Pos	TMB, BLUE STAR OBTI	Neg	ALS, AP, RSID Semen	Neg	RSID Saliva
BCE34X						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
BFDXU8						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
BMFTKY					
Item 3	Pos	PPTH, O-tol, red-brown color	Neg AP		NT
Item 4	Pos	PPTH, O-tol, red-brown color	Neg AP		NT
BNQZ2T					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
C2D22D					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
C37HAM					
Item 3	Pos	LMG, HT	NT		NT
Item 4	Pos	LMG, HT	NT		NT
C8HFT4					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
CBXXR					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
CCWDFB					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
CF9X9W					
Item 3	Pos	KM	Neg AP, Micro for Spermatozoa		NT
Item 4	Pos	KM	Neg AP, Micro for Spermatozoa		NT
CJ9A3C					
Item 3	Pos	KM, HemaTrace	NT		NT
Item 4	Pos	KM, HemaTrace	NT		NT
CNP4M					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
CTZKER					
Item 3	Pos	KM	Neg AP		NT
Item 4	Pos	KM	Neg AP		NT
CUANBP					
Item 3	Pos	LMG, HemaTrace	NT		NT
Item 4	Pos	LMG, HemaTrace	NT		NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
CVAVPV					
Item 3	Pos	LMG	NT	NT	Human Blood, Pos RSID
Item 4	Pos	LMG	NT	NT	Human Blood, Pos RSID
CVPWCC					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
D7F8YA					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
D9AG6Q					
Item 3	Pos	KM, HemDirect	Neg AP	NT	
Item 4	Pos	KM, HemDirect	Neg AP	NT	
D9CETM					
Item 3	Pos	LMG, HT	NT	NT	
Item 4	Pos	LMG	NT	NT	
DDG7TK					
Item 3	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
DGJBCK					
Item 3	Pos	KM, HemaTrace	Neg AP, Seratec	NT	
Item 4	Pos	KM, HemaTrace	Neg AP, Seratec	NT	
DHWXF					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
DHXM7J					
Item 3	Pos	O-tol, Seratec HemDirect	Neg AP, Seratec PSA, Micro	Neg Seratec Amylase	Urine, Feces, Vomit, Neg DMAC/Creatinine, Urobilinogen, Peptest
Item 4	Pos	O-tol, Seratec HemDirect	Neg AP, Seratec PSA, Micro	Neg Seratec Amylase	Urine, Feces, Vomit, Neg DMAC/Creatinine, Urobilinogen, Peptest
DNKZYB					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
DVGBX9					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
DWVM6D					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
DXANVY					
Item 3	Pos	LMG	NT		NT
Item 4	Pos	LMG	NT		NT
DXLZJP					
Item 3	Pos	KM	Neg AP		NT
Item 4	Pos	KM	Neg AP		NT
DYLTK4					
Item 3	Pos	KM, HemaTrace	Neg AP		NT
Item 4	Pos	KM, HemaTrace	Neg AP		NT
DZTERG					
Item 3	Pos	KM	Neg AP	Neg	Phadebas
Item 4	Pos	KM	Neg AP	Neg	Phadebas
E7GC3P					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
E9ZDWC					
Item 3	Pos	KM, HemaTrace	Neg AP		NT
Item 4	Pos	KM, HemaTrace	Neg AP		NT
EE8VGX					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg	Phadebas
EHCJX9					
Item 3	Pos	HemDirect	NT		NT
Item 4	Pos	HemDirect	NT		NT
EHD42C					
Item 3	Pos	KM, ABACard	NT		NT
Item 4	Pos	KM, ABACard	NT		NT
EKYD2H					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP		NT
Item 4	Pos	KM, HemaTrace	Neg ALS, AP		NT
EL88M3					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
ENE6UV					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg	RSID
Item 4	Pos	KM	Neg ALS, AP, Micro	Neg	RSID
ETCWGU					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
EYXZWB					
Item 3	Pos	PTMB+	NT	NT	
Item 4	Pos	PTMB+	NT	NT	
F2YL49					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
FC2GMD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FJ3GUY					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FM2VF4					
Item 3	Pos	KM, TMB (Combur)	Neg AP, PSA	Neg	Phadebas
Item 4	Pos	KM, TMB (Combur)	Neg AP, PSA	Neg	Phadebas
FNU6D7					
Item 3	Pos	LMG, ABACard HemaTrace	NT	NT	
Item 4	Pos	LMG, ABACard HemaTrace	NT	NT	
FYVG2L					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
G38XG4					
Item 3	Pos	KM, visual	Neg AP, ALS	NT	
Item 4	Pos	KM, visual	Neg AP, ALS	NT	
G3N8DB					
Item 3	Pos	LMG	Neg AP	NT	
Item 4	Pos	LMG	Neg AP	NT	
GBK3C9					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
GCW3NN						
Item 3	Pos	LMG	NT	NT		
Item 4	Pos	LMG	NT	NT		
GFU849						
Item 3	Pos	hemochromogen	NT	NT		
Item 4	Pos	hemochromogen	NT	NT		
GGNQ8V						
Item 3	Pos	RSID	Neg	RSID	Neg	RSID
Item 4	Pos	RSID	Neg	RSID	Neg	RSID
GJ2AGT						
Item 3	Pos	LMG, HemaTrace	NT	NT		
Item 4	Pos	LMG, HemaTrace	NT	NT		
GJWMQJ						
Item 3	Pos	KM, HemaTrace	NT	NT		
Item 4	Pos	KM, HemaTrace	NT	NT		
GLY4M9						
Item 3	Pos	HemaTrace	NT	NT		
Item 4	Pos	HemaTrace	NT	NT		
GMG28L						
Item 3	Pos	LMG, HemaTrace	Neg	ALS, AP, PSA	NT	
Item 4	Pos	LMG, HemaTrace	Neg	ALS, AP, PSA	NT	
GMUMQV						
Item 3	Pos	FOB - cassette test for determination of faecal occult Blood by NADAL - specific test for Human Blood	NT	NT		
Item 4	Pos	FOB - cassette test for determination of faecal occult Blood by NADAL - specific test for Human Blood	NT	NT		
GQQB83						
Item 3	Pos	LMG, HIM DIRECT test	Neg	AP	NT	
Item 4	Pos	LMG, HIM DIRECT test	Neg	AP	NT	
GQVNVY						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
GTHZYB						
Item 3	Pos	Hemastix	NT	NT		
Item 4	Pos	Hemastix	NT	NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
GTLMBH					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace			
GTMAJ2					
Item 3	Pos	KM, ABACard	NT	NT	
Item 4	Pos	KM, ABACard	NT	NT	
GWJUMK					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
H37FYY					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
H3Z9RW					
Item 3	Pos	Hemastix			
Item 4	Pos	Hemastix			
H8FWA9					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
HANCUE					
Item 3	Pos	Hemastix, RSID	NT	Neg RSID	plasma, urine, Semen, Inc Polilight/ALS
Item 4	Pos	Hemastix, RSID	NT	NT	
HCBJAN					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
HCVZPQ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
HEHQNA					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
HJC79V					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
HMT8XV					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
HMWXHD					
Item 3	Pos	KM, TMB	Neg AP, PSA	Neg Phadebas	
Item 4	Pos	KM, TMB	Neg AP, PSA	Neg Phadebas	
HN8EJC					
Item 3	Pos	KM	Neg AP, p30	Neg RSID	
Item 4	Pos	KM	Neg AP, p30	Neg RSID	
HP3FHU					
Item 3	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
Item 4	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
HPG4GZ					
Item 3	Pos	KM	NT	NT	Human Blood, Pos ABA Card HemaTrace
Item 4	Pos	KM	NT	NT	Human Blood, Pos ABA Card HemaTrace
HRL8EC					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg SALIgAE	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg SALIgAE	
HUAHBW					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
HUWYE7					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
HVM7VW					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg ALS, Phadebas	Human DNA detected, Pos Quantifiler Trio
Item 4	Pos	KM	Neg ALS, AP, Micro	Neg ALS, Phadebas	Human DNA detected, Pos Quantifiler Trio
HYG9E3					
Item 3	Pos	KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas, RSID Saliva	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas, RSID Saliva	Human Origin, Pos HemaTrace, PowerQuant
J2TQ8C					
Item 3	Pos	KM			
Item 4	Pos	KM			
J7FZHP					
Item 3	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
JBECFB					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
JJNY7Q					
Item 3	Pos	KM	Neg	AP, Micro, PSA	NT
Item 4	Pos	KM	Neg	AP, Micro, PSA	NT
JNG3X9					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
JRJUEM					
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT
JUPMFT					
Item 3	Pos	LMG	Neg	AP	NT
Item 4	Pos	LMG	Neg	AP	NT
JXA6NK					
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT
K2JTE8					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
K8TXDL					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
K9GN9Y					
Item 3	Pos	KM	Neg	AP, ALS	NT
Item 4	Pos	KM	Neg	AP, ALS	NT
KB9CY8					
Item 3	Pos	KM	Neg	AP, PSA, Micro, ALS	Neg Phadebas
Item 4	Pos	KM	Neg	AP, PSA, Micro, ALS	Neg Phadebas
KCJG9P					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
KDXNWR					
Item 3	Pos	LMG, HemaTrace	Neg	ALS, AP, Micro, PSA	NT
Item 4	Pos	LMG, HemaTrace	Neg	ALS, AP, Micro, PSA	NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
KEB9QM					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KKEGMH					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KKFAPW					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
KLQ4E4					
Item 3	Pos	FOB	Neg PSA	Neg RSID	
Item 4	Pos	FOB	Neg PSA	Neg RSID	
KLU9QD					
Item 3	Pos	H/S, H/T	Neg AP, PSA, Micro	Neg RSID	
Item 4	Pos	H/S, H/T	Neg AP, PSA, Micro	Neg RSID	
L4334Y					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
L6LCAY					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
L88N2W					
Item 3	Pos	O-tol	Neg AP	Neg Phadebas	
Item 4	Pos	O-tol	Neg AP	NT	
L9LHQQ					
Item 3	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
Item 4	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
LCZD99					
Item 3	Pos	KM, RSID-Blood	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	
LE6EKL					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LEKP9T					
Item 3	Pos	SERATEC HEMDIRECT			
Item 4	Pos	SERATEC HEMDIRECT			

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
LELKW7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LGR6J7					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA	NT	
LJG7RE					
Item 3	Pos	KM, HemaTrace	Neg AP, p30, Micro for Sperm	Neg Amylase, Micro for NECs	
Item 4	Pos	KM, HemaTrace	Neg AP, p30, Micro for Sperm	Neg Amylase, Micro for NECs	
LNB8PM					
Item 3	Pos	LMG	Neg PSA, Micro	NT	
Item 4	Pos	LMG	Neg PSA, Micro	NT	
LPMMTT					
Item 3	Pos	KM, HemDirect	Neg ALS, AP, PSA	NT	
Item 4	Pos	KM, HemDirect	Neg ALS, AP, PSA	NT	
LPPWRY					
Item 3	Pos	KM, Takayama, HemaTrace	NT	NT	Human, Pos HemaTrace/PowerQuant
Item 4	Pos	KM, Takayama, HemaTrace	NT	NT	Human, Pos HemaTrace/PowerQuant
LRE4CW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LTNBD4					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg AP	Neg RSID	
LUG49M					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
LUKLDD					
Item 3	Pos	KM; HemaTrace	NT	NT	
Item 4	Pos	KM; HemaTrace	NT	NT	
M7P4LR					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg AP	Neg RSID	
M82UVW					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
MA4Y4A						
Item 3	Pos	KM, HemaTrace	NT	NT		
Item 4	Pos	KM, HemaTrace	NT	NT		
MELMUU						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
MJRV4Q						
Item 3	Pos	KM, HT	NT	Neg	RSID	
Item 4	Pos	KM, HT	NT	NT		
MLG48Z						
Item 3	Pos	Hexagon OBTI	Neg	RSID Semen	NT	
Item 4	Pos	Hexagon OBTI	Neg	RSID Semen	NT	
MNT33M						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
MQXUUZ						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
MTZR38						
Item 3	Pos	KM, Combur (TMB)	Neg	AP, PSA	Neg	Phadebas
Item 4	Pos	KM, Combur (TMB)	Neg	AP, PSA	Neg	Phadebas
MVPLVP						
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
MWLEZ2						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
N7K4YW						
Item 3	Pos	KM, Takayama, HemaTrace	Neg	AP, Micro, PSA	Neg	Phadebas, RSID-Saliva
Item 4	Pos	KM, Takayama, HemaTrace	Neg	AP, Micro, PSA	Neg	Phadebas, RSID-Saliva
N8GEY7						
Item 3	Pos	KM	Neg	AP, Micro	NT	
Item 4	Pos	KM	Neg	AP, Micro	NT	
N9PU7C						
Item 3	Pos	KM	Neg	AP, PSA, Micro	NT	
Item 4	Pos	KM	Neg	AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
NAM62E					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
NAMX4T					
Item 3	Pos	TMB	Neg ALS, AP	NT	
Item 4	Pos	TMB	Neg ALS, AP	NT	
NC9V66					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
NK9YLN					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
NLC22R					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
NM7WG9					
Item 3	Pos	KM, HemaTrace	Neg Micro, PSA	Neg RSID	Male DNA, Pos Y-Screening (PlexorHY)
Item 4	Pos	KM, HemaTrace	Neg Micro, PSA	Neg RSID	Male DNA, Pos Y-Screening (PlexorHY)
NUM8VA					
Item 3			Neg PSA		
Item 4			Neg PSA		
NUUCET					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
NVJJJJ					
Item 3	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	
NXULKN					
Item 3	Pos	KM, hexagon	NT	NT	
Item 4	Pos	KM, hexagon	NT	NT	
NYLGAH					
Item 3	Pos	LMG, HT	Neg AP, PSA	NT	
Item 4	Pos	LMG, HT	Neg AP, PSA	NT	
P4D76F					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
P4FR4G					
Item 3	Pos	LMG, HemaTrace	Neg AP		NT
Item 4	Pos	LMG, HemaTrace	Neg AP		NT
P9CB8Z					
Item 3	Pos	HemDirect	NT		NT
Item 4	Pos	HemDirect	NT		NT
PA3GNQ					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
PBWC3M					
Item 3	Pos	LMG	Neg AP	Neg	RSID Saliva
Item 4	Pos	LMG	Neg AP	Neg	RSID Saliva
PBWWML					
Item 3	Pos	KM	Neg AP, PSA, Micro	Neg	Amylase Radial Diffusion
Item 4	Pos	KM	Neg AP, PSA, Micro	Neg	Amylase Radial Diffusion
PD3UZH					
Item 3	Pos	ALS, O-tol, Seratec Blood card	Neg AP, Micro, PSA, ALS	Neg	Seratec Amylase card
Item 4	Pos	O-tol, Seratec Blood card	Neg AP, Micro, PSA, ALS	Neg	Seratec Amylase card
PEFRMT					
Item 3	Pos	KM, ABACard HemaTrace	NT		NT
Item 4	Pos	KM, ABACard HemaTrace	NT		NT
PNJGAJ					
Item 3	Pos	O-tol	NT		NT
Item 4	Pos	O-tol	NT		NT
PQP2Z6					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
PQPU3J					
Item 3	Pos	KM	NT		NT
Item 4	Pos	KM	NT		NT
PU842H					
Item 3	Pos	LMG, HemaTrace	NT		NT
Item 4	Pos	LMG, HemaTrace	NT		NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
PUBL69					
Item 3	Pos	O-tol, Seratec PMB	Neg AP, Seratec PSA	Neg Seratec Amylase	Feces, Urine, Vomit, Neg Urobilinogen, Creatinine, Amides, PepTest
Item 4	Pos	O-tol, AP, PMB	Neg AP, Seratec PSA	Neg Seratec Amylase	Feces, Urine, Vomit, Neg Urobilinogen, Creatinine, Amides, PepTest
PUK3T7					
Item 3	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	
PVJRPN					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
PWQH74					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
Q22QAU					
Item 3	Pos	O-tol, Hématrace	NT	NT	
Item 4	Pos	O-tol	NT	NT	
Q3HBBW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
Q6KVRP					
Item 3	Pos	TMB, HemaTrace	Neg ALS, AP	Neg RSID Saliva	
Item 4	Pos	TMB, HemaTrace	Neg ALS, AP	NT	
Q87MVE					
Item 3	Pos	LMG, HemaTrace	Neg AP		
Item 4	Pos	LMG, HemaTrace	Neg AP		
Q8R6WF					
Item 3	Pos	Hemastix, HemaTrace	NT	NT	
Item 4	Pos	Hemastix, HemaTrace	NT	NT	
Q96LF9					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
QDFLQE					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
QG2WQ					
Item 3	Pos	KM, HemDirect	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM, HemDirect	Neg AP, PSA, Micro	NT	
QJ3NK3					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
QL94YV					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
QM43CE					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
QNFB9F					
Item 3	Pos	LMG, HemaTrace	Neg AP, PSA	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, PSA	NT	
QQK2DA					
Item 3	Pos	KM	Neg AP, Micro	Neg Amylase, Micro	
Item 4	Pos	KM	Neg AP, Micro	Neg Amylase, Micro	
QT92LJ					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
QYKPLF					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
R9YZXX					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
RAEMMK					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
RCY24L					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg phadebas	Human DNA detected, Pos Quant Trio
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg phadebas	Human DNA detected, Pos Quant Trio
RDDZ64					
Item 3	Pos	KM, HemaTrace	Neg AP, ALS	NT	
Item 4	Pos	KM, HemaTrace	Neg AP, ALS	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
RDYCB4					
Item 3	Pos	KM, RSID-Blood	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	
RE4GQR					
Item 3	Pos	O-tol / HemaTrace	NT	NT	
Item 4	Pos	O-tol / HemaTrace	NT	NT	
RHPE6A					
Item 3	Pos	TMB, HemaTrace	NT	NT	
Item 4	Pos	TMB, HemaTrace	NT	NT	
RJZ4L2					
Item 3	Pos	LMG	Neg AP	NT	
Item 4	Pos	LMG	Neg AP	NT	
RNU6HN					
Item 3	Pos	Hemastix			
Item 4	Pos	Hemastix			
RUY4TD					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
RVWAFY					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
T2APD2					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
T39UUV					
Item 3	Pos	RSID (Bluestar OBTI)	NT	NT	
Item 4	Pos	RSID (Bluestar OBTI)	NT	NT	
T6FQE6					
Item 3	Pos	KM, TAK	NT	NT	
Item 4	Pos	KM, TAK	NT	NT	
TBLYN2					
Item 3	Pos	KM, visual	Neg AP	Neg Phadebas	
Item 4	Pos	KM, visual	Neg AP	Neg Phadebas	
TE3P6A					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
TE4R9G					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	
TGQFKG					
Item 3	Pos	KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos	KM	Neg AP, Micro	Neg Phadebas	
TKPU87					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
TPYC2T					
Item 3	Pos	KM, HemaTrace	NT	NT	Human Origin, Pos PowerQuant, HemaTrace
Item 4	Pos	KM, HemaTrace	NT	NT	Human Origin, Pos PowerQuant, HemaTrace
TQT34Z					
Item 3	Pos	KM, TMB	NT	NT	
Item 4	Pos	KM, TMB	NT	NT	
TRNJLP					
Item 3	Pos	KM, TMB	NT	NT	
Item 4	Pos	KM, TMB	NT	NT	
TYB7L2					
Item 3	Pos	KM	Neg ALS, AP, PSA, Micro	Neg Saligae	
Item 4	Pos	KM, HemaTrace	NT	NT	Body Fluids, Neg ALS
TYQME9					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
TYRFFM					
Item 3	Pos	Hemastix (TMB) & HemaTrace	Neg ALS & AP	NT	
Item 4	Pos	Hemastix (TMB) & HemaTrace	Neg ALS & AP	NT	
TZJ4KG					
Item 3	Pos	KM	Neg AP, Micro	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro	Neg RSID	
U33YMU					
Item 3	Pos		Neg	NT	
Item 4	Pos		Neg	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
U4YBPP					
Item 3	Pos	O-tol, HemaTrace	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	
U8GVRP					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
ULGRR3					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
UV4BBW					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
UZ2UCV					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
UZY3KE					
Item 3	Pos	HemaTrace	Neg ALS	NT	
Item 4	Pos	HemaTrace	Neg ALS	NT	
V28PHJ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
V7HREM					
Item 3	Pos	Benzidine test, Hemdirect kit	Neg AP, PSA	NT	
Item 4	Pos	Benzidine test, Hemdirect kit	Neg AP, PSA	NT	
VBWKB8					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
VCTQZE					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	
VMP68J					
Item 3	Pos	LMG	Neg AP	NT	
Item 4	Pos	LMG	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
VPBB77					
Item 3	NT		NT	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
Item 4	NT		NT	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
VR38TF					
Item 3	Pos KM		Neg ALS, AP, Micro	Neg RSID	
Item 4	Pos KM		Neg ALS, AP, Micro	Neg RSID	
VRMNB3					
Item 3	Pos KM, Takayama, HemaTrace		NT	NT	
Item 4	Pos KM, Takayama, HemaTrace		NT	NT	
VTX8ZL					
Item 3	Pos KM		Neg PSA	Neg alpha-Amylase	
Item 4	Pos KM		Neg PSA	Neg alpha-Amylase	
VYLDQL					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
W7ZJ2J					
Item 3	Pos KM, HemDirect		Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos KM, HemDirect		Neg ALS, AP, PSA, Micro	NT	
W8CDJ6					
Item 3	Pos KM, HemaTrace		NT	NT	
Item 4	Pos KM, HemaTrace		NT	NT	
WADVML					
Item 3	Pos PTMB		NT	Neg Amylase	Human origin, Pos QF
Item 4	Pos PTMB		NT	Neg Amylase	Human origin, Pos QF
WULXLQ					
Item 3	Pos KM, HemDirect		NT	NT	
Item 4	Pos KM, HemDirect		NT	NT	
X3AWL2					
Item 3	Pos KM, HemaTrace		Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace		Neg AP, PSA, Micro	Neg Phadebas	
X44YHC					
Item 3	Pos KM		Neg AP; Micro	NT	
Item 4	Pos KM		Neg AP; Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
X64K6W					
Item 3	Pos	KM, RSID-Blood	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	
X6LCEG					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
X6Y36C					
Item 3	Pos	color, O-tol, ppth	Neg AP, Micro	NT	
Item 4	Pos	color, O-tol, ppth	Neg AP, Micro	NT	
XB72RJ					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
XB79P6					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
XCHA46					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
XDNBW					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
XQGRJP					
Item 3	Pos	KM, HemDirect	Neg AP	Neg RSID Saliva	
Item 4	Pos	KM, HemDirect	Neg AP	Neg RSID Saliva	
XRDN4Y					
Item 3	Pos	KM+, RSID Blood+			
Item 4	Pos	O-tol+, HemaTrace+			
XRTF6B					
Item 3	Pos	KM, HemDirect	NT	NT	
Item 4	Pos	KM, HemDirect	NT	NT	
XT7Y4M					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
XX4H87					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
XYTVN4							
Item 3	Pos	HemaTrace, KM	Neg	PSA, Micro	Neg	RSID	Male DNA, Pos Y-screening
Item 4	Pos	HemaTrace, KM	Neg	PSA, Micro	Neg	RSID	Male DNA, Pos Y-screening
Y3PDE9							
Item 3	Pos	KM	NT		NT		
Item 4	Pos	KM	NT		NT		
Y4HVA3							
Item 3	Pos	Hemastix, HemaTrace	NT		Neg	RSID	
Item 4	Pos	Hemastix, HemaTrace	NT		Neg	RSID	
Y6FJKK							
Item 3	Pos	KM, ABACard	NT		NT		
Item 4	Pos	KM, ABACard	NT		NT		
YBNGDY							
Item 3	Pos	KM, HemaTrace	NT		NT		
Item 4	Pos	KM, HemaTrace	NT		NT		
YDTZK8							
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT		
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT		
YFC9EZ							
Item 3	Pos	HemaTrace, KM	Neg	PSA, Micro	Neg	RSID	Male DNA, Pos Y Screening
Item 4	Pos	HemaTrace, KM	Neg	PSA, Micro	Neg	RSID	Male DNA, Pos Y Screening
YPGAWE							
Item 3	Pos	HemaTrace	NT		NT		
Item 4	Pos	HemaTrace	NT		NT		
YWHLUW							
Item 3	Pos	O-tol, HemDirect Seratec card	Neg	AP, PSA, Micro	Neg	Alpha-Amylase Seratec card	Feces, Urine, and Vomit, Neg Urobilinogen, DMAC, Creatinine, PepTest
Item 4	Pos	O-tol, HemDirect Seratec card	Neg	AP, PSA, Micro	Neg	Alpha-Amylase Seratec card	Feces, Urine, and Vomit, Neg Urobilinogen, DMAC, Creatinine, PepTest
YXCADR							
Item 3	Pos	LMG	Neg	AP, RSID-Semen	NT		
Item 4	Pos	LMG	Neg	AP, RSID-Semen	NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
Z8ZN83					
Item 3	NT		NT	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
Item 4	NT		NT	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
Z9AEWT					
Item 3	Pos KM, TMB		NT	NT	
Item 4	Pos KM, TMB		NT	NT	
ZBFW2F					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
ZDFAFT					
Item 3	Pos KM, TMB		NT	NT	
Item 4	Pos KM, TMB		NT	NT	
ZL2YLV					
Item 3	Pos KM		NT	Neg Phadebas pAPer test	
Item 4	Pos KM		NT	Neg Phadebas pAPer test	
ZLYRCU					
Item 3	Pos KM, RSID-Blood		NT	NT	
Item 4	Pos O-tol, HemaTrace		NT	NT	
ZN2EPD					
Item 3	Pos TMB, RSID		Neg AP, PSA	Neg RSID	
Item 4	Pos TMB, RSID		Neg AP, PSA	Neg RSID	
ZYJVFY					
Item 3	Pos HemaTrace, KM		Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos HemaTrace, KM		Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening

Table 1: Serology Screening Response Summary

ITEM 3:	Item 3			Participants: 343
	Blood	Semen	Saliva	
Positive	339	0	0	
Negative	0	150	76	
Inconclusive	0	0	0	
Not Tested (NT)	3	185	257	
Not Reported	1	8	10	

**Table 1: Serology Screening
Response Summary****Item 4**Participants: **343**

ITEM 4:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	339	0	0
Negative	0	149	70
Inconclusive	0	0	0
Not Tested (NT)	3	185	262
Not Reported	1	9	11

STR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

22U4DQ	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
232BPQ	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
267JPF	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
28CJTG	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
299WHU	ESI DNA 17					
	11,12	23	11,12	15,17		
1		12,15	13,16	18		9,11
	15,20	14.2,16	29	14,15	X,Y	
	23			23,24.2	7,8	
	16,18					
2BH8PC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

2C4EME	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
2EVPR9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
2G6M8B	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2GYJ86	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
2K2CQ4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2LFP8L	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
2QBZCY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

2U9ZDA	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
32MPN9	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
33DFMF	PowerPlex® Fusion					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				
37UWRD	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
3FHP2P	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
3LRYDR	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
3PARGJ	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

3TBPUX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
3U6VFD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
3XMFHD	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
3YVAZD	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
3YX2RU	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4BTGLP	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4GUXVA	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

4KUEGW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4MGKRZ	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4MN3YR	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
4ND3LP	Identifiler® Direct					
	-	23	-	15,17	12	-
1	11	12,15	-	-	11,12	9,11
	15,20	14.2,16	29	-	X,Y	10,11
	23	-	-	-	7,8	10,11
	16,18	-	-	-	-	
4NV84M	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
4PLDJD	PowerPlex® Fusion (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				
4RUB84	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

4RWKVZ	PowerPlex® 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
4T84M4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4TRK37	GlobalFiler™ (STRmix 2.4.06)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
4W79M3	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
6368K7	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
638CYZ	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6ARDEC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

6EM6PU	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
6FU9YR	PowerPlex® Fusion 5C, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10				
6GP6M7	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6JG426	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
6QR9CV	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6T7VNW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6UYDG6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

6VMV86	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
6VPG4K	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
6W7TPW	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
6WHXBT	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7322J2	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
76AARL	Identifiler® Direct					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
77Q986	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

7DNXNA	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7JC74E	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7K4RNC	PowerPlex® Fusion 5C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				
7LEJTL	PowerPlex® Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7MPJQ2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
7NNGCV	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7UAJ9Z	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

7ZDMYX	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
87J4ZC	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
8BF7CL	Identifiler® Direct					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
8MTV3G	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
8UPQ32	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
8WEWLC	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
8X33N4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

8X98A8	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
8XPBVL	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
92Y9KK	Identifiler® Direct					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
963MND	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
99GN4H	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
9DK7VJ	Identifiler®, GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
9HFTRT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

9LP83C	GlobalFiler™					
	11,12	23	11,12	15,17	12	Not Tested
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	Not Tested	Not Tested	23,24.2	7,8	10,11
	16,18	10	Not Tested	Not Tested	2	
9VXWL3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
A22LWZ	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
A83C7C	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AARJQA	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
AB7Y7W	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ABN2N6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

AFXCK6	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AKAB3Q	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AM2PVM	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
1	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
AMXYAJ	PowerPlex® Fusion6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AP9GVA	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
ARW2MZ	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
AUHNJU	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

AY8EE4	NGM					
	11,12	23	11,12	15,17		
1		12,15	13,16	18		9,11
	15,20	14.2,16	29	14,15	X,Y	
	23				7,8	
	16,18					
B36BJN	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
BBKVLZ	Identifiler® Plus					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
BCE34X	PowerPlex® Fusion (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
BFDXU8	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
BMFTKY	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
BNQZ2T	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

C2D22D	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
C37HAM	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
C8HFT4	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CBXXXR	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
CCWDFB	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
CF9X9W	GlobalFiler™ (STRmix 2.4)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CJ9A3C	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

CNPK4M	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
CTZKER	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CUANBP	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
CVAVPV	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
CVPWCC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
D7F8YA	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
D9AG6Q	PowerPlex® 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

D9CETM	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DDG7TK	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DGJBCK	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DHVWXF	PowerPlex® 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DHXM7J	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DNKZYB	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DVGBX9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

DXANVY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DXLZJP	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
DYLTK4	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DZTERG	PowerPlex® ESI 17 FAST					
	11,12	23	11,12	15,17		
1		12,15	13,16	18		9,11
	15,20	14.2,16	29	14,15	X,Y	
	23			23,24.2	7,8	
	16,18					
E7GC3P	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
E9ZDWC	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
EE8VGX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

EHCJX9	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
EHD42C	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
EKYD2H	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
1	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
EL88M3	GlobalFiler™ (STRMIX)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
ENE6UV	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ETCWGU	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
EYZZWB	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

F2YL49	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
FC2GMD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
FJ3GUY	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
FM2VF4	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
FNU6D7	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
FYVG2L	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
G38XG4	GlobalFiler™					
	11,12	23	11,12	15,17	12	-
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	-	-	23,24.2	7,8	10,11
	16,18	10	-	-	2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

G3N8DB	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	
GBK3C9	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GCW3NN	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GFU849	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
GGNQ8V	PowerPlex®					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
GJ2AGT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GJUF8J	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

GJWMQJ	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GLY4M9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
GMG28L	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
GMUMQV	GlobalFiler™ PCR Amplification Kit					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
GQQB83	Identifiler®					
		23,23		15,17	12,12	
1	11,11	12,15		11,12		9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
GQVNVY	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
GTHZYB	GlobalFiler™ Express (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

GTLMBH	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
GTMAJ2	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
GWJUMK	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
H37FYY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
H3Z9RW	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
H8FWA9	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HANCUE	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
1	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

HCVZPQ	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
HEHQNA	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HFAU89	Identifiler®, GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
HJC79V	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HMT8XV	PowerPlex® Fusion6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HMWXHD	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
HN8EJC	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

HP3FHU	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
HPG4GZ	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
HRL8EC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HUAHBW	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HUWYE7	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HVM7VW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
J2TQ8C	PowerPlex® Fusion and Direct (6C) (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

J7FZHP	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
JBEFCB	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
JJNY7Q	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
JNG3X9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
JRJUEM	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
JUPMFT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
JXA6NK	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

K2JTE8	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
K8TXDL	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
K9GN9Y	GlobalFiler™					
	11,12	23	11,12	15,17	12	-
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	-	-	23,24.2	7,8	10,11
	16,18	10	-	-	2	
KCJG9P	PowerPlex® Fusion					
	11,12	23	11,12	15,[17]	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
KDXNWR	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
KEB9QM	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
KKEGMH	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

KKFAPW	PowerPlex® Fusion 6C						
		11,12	23	11,12	15,17	12	
	1	11	12,15	13,16	18	11,12	9,11
		15,20	14.2,16	29	14,15	X,Y	10,11
		23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15			
KLQ4E4	PowerPlex® ESI 16 Fast						
		11,12	23,23	11,12	15,17		
	1		12,15	13,16	18,18		9,11
		15,20	14.2,16	29,29	14,15	X,Y	
		23,23				7,8	
	16,18						
KLU9QD	PowerPlex® 21						
		11,12	23,23		15,17	12,12	17,20
	1	11,11	12,15		18,18	11,12	9,11
		15,20	14.2,16	29,29		X,Y	10,11
		23,23	9,14	7,11		7,8	10,11
	16,18						
L4334Y	PowerPlex® Fusion 5C						
		11,12	23	11,12	15,17	12	
	1	11	12,15	13,16	18	11,12	9,11
		15,20	14.2,16	29	14,15	X,Y	10,11
		23	9,14	7,11		7,8	10,11
	16,18	10					
L6LCAY	PowerPlex® Fusion 6C						
		11,12	23	11,12	15,17	12	
	1	11	12,15	13,16	18	11,12	9,11
		15,20	14.2,16	29	14,15	X,Y	10,11
		23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15			
L88N2W	PowerPlex® Fusion 5C						
		11,12	23	11,12	15,17	12	
	1	11	12,15	13,16	18	11,12	9,11
		15,20	14.2,16	29	14,15	X,Y	10,11
		23	9,14	7,11		7,8	10,11
	16,18	10					
L9LHQQ	GlobalFiler™						
		11,12	23,23	11,12	15,17	12,12	
	1	11,11	12,15	13,16	18,18	11,12	9,11
		15,20	14.2,16	29,29	14,15	X,Y	10,11
		23,23			23,24.2	7,8	10,11
	16,18	10			2		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

LCZD99	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LE6EKL	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
LEKP9T	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LELKW7	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LGR6J7	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LJG7RE	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LNB8PM	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

LPMMTT	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LPPWRY	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LRE4CW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
LTNBD4	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LUG49M	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LUKLDD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
M7P4LR	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

M82UVW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MA4Y4A	PowerPlex® Fusion6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
MELMUU	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MJRV4Q	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
MLG48Z	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MNT33M	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
MQXUUZ	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

MTZR38	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
MVPLVP	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MWLEZ2	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
N7K4YW	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
N8GEY7	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
N9PU7C	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NAM62E	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

NAMX4T	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
NC9V66	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
NEYVKN	Identifiler® Plus, GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NJ7KL9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
NK9YLN	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
NLC22R	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NM7WG9	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

NUM8VA	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
NUUCET	GlobalFiler™ (STRMix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NVJJUJ	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NXULKN	PowerPlex® ESI FAST					
	11,12	23,23	11,12	15,17		
1		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23				7,8	
	16,18					
NYLGAH	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
P4D76F	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
P9CB8Z	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

PA3GNQ	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PBWC3M	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PBWWML	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PD3UZH	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PEFRMT	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
PNJGAJ	Identifiler®, Investigator® 24plex QS (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10				
PQP2Z6	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

PQPU3J	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
PU842H	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PUBL69	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PUK3T7	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PVJRPN	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PWQH74	PowerPlex® F6C (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Q22QAU	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

Q3HBBW	PowerPlex® Fusion 6C Direct					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Q6KVRP	Investigator® 24plex GO!					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
Q87MVE	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Q8R6WF	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QDFLQE	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QG2WQ	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QJ3NK3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

QL94YV	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QM43CE	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
QNFB9F	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
QQK2DA	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QT92LJ	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
QYKPLF	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
R9YZXX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

RAEMMK	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RCY24L	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RDDZ64	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
1	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
RDYCB4	PowerPlex® F6C (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
RE4GQR	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
RHPE6A	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RJZ4L2	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

RNU6HN	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
RUY4TD	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
RVWAFY	GlobalFiler™ Express (STRmix v2.4.06)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
T2APD2	Identifiler® Plus					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
T39UUU	PowerPlex® Fusion System, NGM Select					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10				
T6FQE6	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
TBLYN2	ESI-17fast					
	11,12	23,23	11,12	15,17		
1		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23			23,24.2	7,8	
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

TE3P6A	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
TE4R9G	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
TGQFKG	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
TKPU87	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
TPYC2T	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
TQT34Z	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
TRNJLP	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

TYB7L2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
TYQME9	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
TYRFFM	Investigator® 24plex GO!					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
TZJ4KG	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
U33YMU	PowerPlex® PP21					
	11,12	23		15,17	12	17,20
1	11	12,15		18	11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18					
U4YBPP	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
U8GVRP	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

ULGRR3	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
UV4BBW	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
UYZYM	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
UZ2UCV	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
UZY3KE	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
V28PHJ	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
V7HREM	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

VBWKB8	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
VCTQZE	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
VMP68J	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
VR38TF	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
VRMNB3	PowerPlex® Fusion 6C (STRMix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
VTX8ZL	PowerPlex® Fusion					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
VYLDQL	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

W7ZJ2J	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
W8CDJ6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
WADVML	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
X3AWL2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
X44YHC	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
X64K6W	PowerPlex® 6C (STRmix)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
X6LCEG	GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

X6Y36C	PowerPlex® F6C					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XB72RJ	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XB79P6	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
XCHA46	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
XDNBNW	Identifiler® Direct					
		23		15,17	12	
1	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
XRDN4Y	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XRTF6B	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

XT7Y4M	Identifiler® Plus					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
XX4H87	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
XYTVN4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
Y3PDE9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Y4HVA3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
Y6FJK	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
1	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
YBNGDY	PowerPlex® 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 1 - STR Results

YFC9EZ	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
YPGAWE	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
YQWJXT	Identifiler®, GlobalFiler™ Express					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
YWHLUW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
YXCADR	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	
Z9AEWT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ZBFW2F	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
1	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 1 - STR Results

ZD2LGL	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
ZDFAFT	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
ZL2YLW	PowerPlex® ESI-17 fast					
	11,12	23,23	11,12	15,17		
1		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23			23,24.2	7,8	
	16,18					
ZLYRCU	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
ZN2EPD	GlobalFiler™ (GeneMapper ID-X)					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ZYJVFY	PowerPlex® Fusion 5C, Fusion 6C					
	11,12	23	11,12	15,17	12	
1	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

22U4DQ	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
232BPQ	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
267JPF	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
28CJTG	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
299WHU	ESI DNA 17					
	12,15.3	19,24	10	15		
2		10,14	13	15,16		8,11
	15,17	12,14	30	16	X,Y	
	20,21			19,29.2	9.3	
	16,20					
2BH8PC	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
2C4EME	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

2EVP99	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
2G6M8B	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
2GYJ86	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
2K2CQ4	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
2LFP8L	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
2QBZCY	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
2U9ZDA	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

32MPN9	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
33DFMF	PowerPlex® Fusion					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,>24		9.3,9.3	8,9
	16,20	11				
37UWRD	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
3FHP2P	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>25		9.3	8,9
	16,20	11				
3LRYDR	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
3PARGJ	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
3TBPUX	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

3U6VFD	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
3XMFHD	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
3YVAZD	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
3YX2RU	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4BTGLP	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4GUXVA	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4KUEGW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

4MGKRZ	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4MN3YR	PowerPlex® Fusion 6C (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
4ND3LP	Identifiler® Direct					
	-	19,24	-	15	11,12	-
2	9,11	10,14	-	-	9,12	8,11
	15,17	12,14	30	-	X,Y	10,12
	20,21	-	-	-	9.3	8,9
	16,20	-	-	-	-	
4NV84M	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
4PLDJD	PowerPlex® Fusion (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,>24		9.3,9.3	8,9
	16,20	11				
4RUB84	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4RWKVZ	PowerPlex® 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26		9.3	8,9
	16,20	11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

4T84M4	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
4TRK37	GlobalFiler™ (STRmix 2.4.06)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
4W79M3	Investigator® 24plex QS					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
6368K7	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
638CYZ	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6ARDEC	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6EM6PU	PowerPlex® Fusion 6C (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

6FU9YR	PowerPlex® Fusion 5C, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>25	19,29.2	9.3	8,9
	16,20	11				
6GP6M7	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6JG426	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
6QR9CV	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6T7VNW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6UYDG6	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
6VMV86	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

6VPG4K	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
6W7TPW	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
6WHXBT	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
7322J2	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
76AARL	Identifiler® Direct					
		19,24		15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21				9.3	8,9
	16,20					
77Q986	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
7DNXNA	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

7JC74E	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
7K4RNC	PowerPlex® Fusion 5C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,>24		9.3,9.3	8,9
	16,20	11				
7LEJTL	PowerPlex® Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
7MPJQ2	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
7NNGCV	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
7UAJ9Z	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
7ZDMYX	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

87J4ZC	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
8BF7CL	Identifiler® Direct					
		19,24		15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21				9.3	8,9
	16,20					
8MTV3G	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
8UPQ32	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
8WEWLC	Identifiler® Plus (STRmix)					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
8X33N4	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
8X98A8	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

8XPBVL	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
92Y9KK	Identifiler® Direct					
		19,24		15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21				9.3	8,9
	16,20					
963MND	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
99GN4H	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
9DK7VJ	Identifiler®, GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
9HFRTT	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
9LP83C	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	Not Tested
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	Not Tested	Not Tested	19,29.2	9.3	8,9
	16,20	11	Not Tested	Not Tested	2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

9VXWL3	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
A22LWZ	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
A83C7C	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
AARJQA	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
AB7Y7W	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
ABN2N6	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
AFXCK6	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

AKAB3Q	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
AM2PVM	PowerPlex® 21					
	12,15.3	19,24		15,15	11,12	12,17
2	9,11	10,14		15,16	9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21	12,13	12,26		9.3,9.3	8,9
	16,20					
AMXYAJ	PowerPlex® Fusion6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
AP9GVA	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
ARW2MZ	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
AUHNJU	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
AY8EE4	NGM					
	12,15.3	19,24	10	15		
2		10,14	13	15,16		8,11
	15,17	12,14	30	16	X,Y	
	20,21				9.3	
	16,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

B36BJN	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
BBKVLZ	Identifiler® Plus					
		19,24		15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21				9.3	8,9
	16,20					
BCE34X	PowerPlex® Fusion (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
BFDXU8	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
BMFTKY	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
BNQZ2T	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
C2D22D	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

C37HAM	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
C8HFT4	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
CBXXXR	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
CCWDFB	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
CF9X9W	GlobalFiler™ (STRmix 2.4)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
CJ9A3C	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
CNPK4M	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

CTZKER	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
CUANBP	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
CVAVPV	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
CVPWCC	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
D7F8YA	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
D9AG6Q	PowerPlex® 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>25		9.3	8,9
	16,20	11				
D9CETM	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

DDG7TK	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
DGJBCK	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
DHWXF	PowerPlex® 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
DHXM7J	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
DNKZYB	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
DVGBX9	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
DXANVY	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

DXLZJP	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
DYLTK4	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
DZTERG	PowerPlex® ESI 17 FAST					
	12,15.3	19,24	10	15		
2		10,14	13	15,16		8,11
	15,17	12,14	30	16	X,Y	
	20,21			19,29.2	9.3	
	16,20					
E7GC3P	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
E9ZDWC	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
EE8VGX	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
EHCJX9	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

EHD42C	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
EKYD2H	PowerPlex® 21					
	12,15.3	19,24		15,15	11,12	NR
2	NR	10,14		15,16	9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	NR	12,13	12,26		9.3,9.3	8,9
	16,20					
EL88M3	GlobalFiler™ (STRMIX)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
ENE6UV	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
ETCWGU	Investigator® 24plex QS					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
EYXZWB	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
F2YL49	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

FC2GMD	PowerPlex® Fusion 6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		
FJ3GUY	PowerPlex® Fusion 6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		
FM2VF4	GlobalFiler™						
		12,15.3	19,24	10,10	15,15	11,12	
	2	9,11	10,14	13,13	15,16	9,12	8,11
		15,17	12,14	30,30	16,16	X,Y	10,12
		20,21			19,29.2	9.3,9.3	8,9
		16,20	11			2	
FNU6D7	GlobalFiler™						
		12,15.3	19,24	10,10	15,15	11,12	
	2	9,11	10,14	13,13	15,16	9,12	8,11
		15,17	12,14	30,30	16,16	X,Y	10,12
		20,21			19,29.2	9.3,9.3	8,9
		16,20	11			2	
FYVG2L	PowerPlex® Fusion 6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		
G38XG4	GlobalFiler™						
		12,15.3	19,24	10	15	11,12	-
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	-	-	19,29.2	9.3	8,9
		16,20	11	-	-	2	
G3N8DB	PowerPlex® Fusion, GlobalFiler™						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

GBK3C9	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
GCW3NN	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
GFU849	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
GGNQ8V	PowerPlex®					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26		9.3	8,9
	16,20	11				
GJ2AGT	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
GJUF8J	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
GJWMQJ	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

GLY4M9	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
GMG28L	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
GMUMQV	GlobalFiler™ PCR Amplification Kit					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
GQQB83	Identifiler®					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
GQVNVY	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
GTHZYB	GlobalFiler™ Express (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
GTLMBH	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

GTMAJ2	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
GWJUMK	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
H37FYY	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
H3Z9RW	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
H8FWA9	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
HANCUE	PowerPlex® 21					
	12,15.3	19,24		15,15	11,12	12,17
2	9,11	10,14		15,16	9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21	12,13	12,26		9.3,9.3	8,9
	16,20					
HCVZPQ	Investigator® 24plex QS					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

HEHQNA	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
HFAU89	Identifiler®, GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
HJC79V	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
HMT8XV	PowerPlex® Fusion6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
HMWXHD	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
HN8EJC	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
HP3FHU	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

HPG4GZ	Identifiler® 23 (STRmix)					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
HRL8EC	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
HUAHBW	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
HUWYE7	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
HVM7VW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
J2TQ8C	PowerPlex® Fusion + Direct (6C) (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
J7FZHP	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

JBECFB	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
JJNY7Q	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
JNG3X9	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
JRJUEM	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
JUPMFT	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
JXA6NK	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
K2JTE8	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

K8TXDL	Investigator® 24plex QS						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21			19,29.2	9.3	8,9
		16,20	11				
K9GN9Y	GlobalFiler™						
		12,15.3	19,24	10	15	11,12	-
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	-	-	19,29.2	9.3	8,9
		16,20	11	-	-	2	
KCJG9P	PowerPlex® Fusion						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,>24		9.3	8,9
		16,20	11				
KDXNWR	GlobalFiler™						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21			19,29.2	9.3	8,9
		16,20	11			2	
KEB9QM	Investigator® 24plex QS						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21			19,29.2	9.3	8,9
		16,20	11				
KKEGMH	GlobalFiler™ (STRmix)						
		12,15.3	19,24	10,10	15,15	11,12	
	2	9,11	10,14	13,13	15,16	9,12	8,11
		15,17	12,14	30,30	16,16	X,Y	10,12
		20,21			19,29.2	9.3,9.3	8,9
		16,20	11			2	
KKFAPW	PowerPlex® Fusion 6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

KLQ4E4	PowerPlex® ESI 16 Fast					
		12,15.3	19,24	10,10	15,15	
	2		10,14	13,13	15,16	8,11
		15,17	12,14	30,30	16,16	X,Y
		20,21			9,3,9.3	
	16,20					
KLU9QD	PowerPlex® 21					
		12,15.3	19,24		15,15	11,12
	2	9,11	10,14		15,16	9,12
		15,17	12,14	30,30		X,Y
		20,21	12,13	12,26		9,3,9.3
	16,20				8,9	
L4334Y	PowerPlex® Fusion 5C					
		12,[15.3]	19,24	10	15	11,12
	2	[9],11	10,14	13	15,16	9,12
		15,17	12,14	30	16	[X],Y
		20,21	12,[13]	12,>24		9.3
	16,20	11			8,9	
L6LCAY	PowerPlex® Fusion 6C					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12
		15,17	12,14	30	16	X,Y
		20,21	12,13	12,26	19,29.2	9.3
	16,20	11	21	16	8,9	
L88N2W	PowerPlex® Fusion 5C					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12
		15,17	12,14	30	16	X,Y
		20,21	12,13	12,>24		9.3
	16,20	11			8,9	
L9LHQQ	GlobalFiler™					
		12,15.3	19,24	10,10	15,15	11,12
	2	9,11	10,14	13,13	15,16	9,12
		15,17	12,14	30,30	16,16	X,Y
		20,21			19,29.2	9,3,9.3
	16,20	11			2	
LCZD99	PowerPlex® Fusion 6C (STRmix)					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12
		15,17	12,14	30	16	X,Y
		20,21	12,13	12,26	19,29.2	9.3
	16,20	11	21	16	8,9	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

LE6EKL	Investigator® 24plex QS					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
LEKP9T	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
LELKW7	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
LGR6J7	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
LJG7RE	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
LN88PM	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
LPMMTT	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

LPPWRY	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
LRE4CW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
LTNBD4	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
LUG49M	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
LUKLDD	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
M7P4LR	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
M82UVW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

MA4Y4A	PowerPlex® Fusion6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
MELMUU	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
MJRV4Q	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
MLG48Z						
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
MNT33M	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
MQXUUZ	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
MTZR38	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

MVPLVP	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
MWLEZ2	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
N7K4YW	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
N8GEY7	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
N9PU7C	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NAM62E	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NAMX4T	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

NC9V66	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>24		9.3	8,9
	16,20	11				
NEYVKN	Identifiler® Plus, GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NJ7KL9	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
NK9YLN	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
NLC22R	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NM7WG9	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>25		9.3	8,9
	16,20	11				
NUM8VA	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

NUUCET	GlobalFiler™ (STRMix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NVJJUJ	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
NXULKN	PowerPlex® ESI FAST					
	12,15.3	19,24	10,10	15,15		
2		10,14	13,13	15,16		8,11
	15,17	12,14	30,30	16,16	X,Y	
	20,21				9.3,9.3	
	16,20					
NYLGAH	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
P4D76F	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
P9CB8Z	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PA3GNQ	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

PBWC3M	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PBWWML	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
PD3UZH	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PEFRMT	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
PNJGAJ	Identifiler®, Investigator® 24plex QS (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11				
PQP2Z6	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
PQPU3J	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

PU842H	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
PUBL69	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PUK3T7	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PVJRPN	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
PWQH74	PowerPlex® F6C (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
Q22QAU	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
Q3HBBW	PowerPlex® Fusion 6C Direct					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

Q6KVRP	Investigator® 24plex GO!					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
Q87MVE	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
Q8R6WF	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
QDFLQE	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
QG2WQ	GlobalFiler™					
	12,15.3	19,24	10,10	15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
QJ3NK3	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
QL94YV	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

QM43CE	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
QNFB9F	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
QQK2DA	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
QT92LJ	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
QYKPLF	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
R9YZXX	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
RAEMMK	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

RCY24L	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
RDDZ64	PowerPlex® 21					
	12,15.3	19,24		15,15	11,12	12,17
2	9,11	10,14		15,16	9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21	12,13	12,26		9.3,9.3	8,9
	16,20					
RDYCB4	PowerPlex® F6C (STRmix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
RE4GQR	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
RHPE6A	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
RJZ4L2	PowerPlex® Fusion, GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11			2	
RNU6HN	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

RUY4TD	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
RVWAFY	GlobalFiler™ Express (STRmix v2.4.06)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
T2APD2	Identifiler® Plus					
		19,24		15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21				9.3	8,9
	16,20					
T39UUU	PowerPlex® Fusion System, NGM Select					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11				
T6FQE6	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
TBLYN2	ESI-17fast					
	12,15.3	19,24	10,10	15,15		
2		10,14	13,13	15,16		8,11
	15,17	12,14	30,30	16,16	X,Y	
	20,21			19,29.2	9.3,9.3	
	16,20					
TE3P6A	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>25		9.3	8,9
	16,20	11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

TE4R9G	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
TGQFKG	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
TKPU87	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
TPYC2T	PowerPlex® Fusion 6C					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3,9.3	8,9
	16,20	11	21	16		
TQT34Z	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>24		9.3	8,9
	16,20	11				
TRNJLP	GlobalFiler™					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
TYB7L2	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

TYQME9	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
TYRFFM	Investigator® 24plex GO!					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
TZJ4KG	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
U33YMU	PowerPlex® PP21					
	12,15.3	19,24		15	11,12	12,17
2	9,11	10,14		15,16	9,12	8,11
	15,17	12,14	30		X,Y	10,12
	20,21	12,13	12,OL		9.3	8,9
	16,20					
U4YBPP	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
U8GVRP	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
ULGRR3	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

UV4BBW	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
UYZYM	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
UZ2UCV	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
UZY3KE	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
V28PHJ	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
V7HREM	Identifiler® Plus					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
VBWKB8	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

VCTQZE	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
VMP68J	GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
VR38TF	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
VRMNB3	PowerPlex® Fusion 6C (STRMix)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
VTX8ZL	PowerPlex® Fusion					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26		9.3	8,9
	16,20	11				
VYLDQL	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
W7ZJ2J	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

W8CDJ6	GlobalFiler™					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12 8,11
		15,17	12,14	30	16	X,Y 10,12
		20,21			19,29.2	9.3 8,9
		16,20	11			2
WADVML	GlobalFiler™					
		12,15.3	19,24	10,10	15,15	11,12
	2	9,11	10,14	13,13	15,16	9,12 8,11
		15,17	12,14	30,30	16,16	X,Y 10,12
		20,21			19,29.2	9.3,9.3 8,9
		16,20	11			2
X3AWL2	GlobalFiler™					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12 8,11
		15,17	12,14	30	16	X,Y 10,12
		20,21			19,29.2	9.3 8,9
		16,20	11			2
X44YHC	GlobalFiler™					
		12,15.3	19,24	10,10	15,15	11,12
	2	9,11	10,14	13,13	15,16	9,12 8,11
		15,17	12,14	30,30	16,16	X,Y 10,12
		20,21			19,29.2	9.3,9.3 8,9
		16,20	11			2
X64K6W	PowerPlex® 6C (STRmix)					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12 8,11
		15,17	12,14	30	16	X,Y 10,12
		20,21	12,13	12,26	19,29.2	9.3 8,9
		16,20	11	21	16	
X6LCEG	GlobalFiler™ Express					
		12,15.3	19,24	10	15	11,12
	2	9,11	10,14	13	15,16	9,12 8,11
		15,17	12,14	30	16	X,Y 10,12
		20,21			19,29.2	9.3 8,9
		16,20	11			2
X6Y36C	PowerPlex® F6C					
		12,15.3	19,24	10,10	15,15	11,12
	2	9,11	10,14	13,13	15,16	9,12 8,11
		15,17	12,14	30,30	16,16	X,Y 10,12
		20,21	12,13	12,26	19,29.2	9.3,9.3 8,9
		16,20	11	21	16	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

XB72RJ	PowerPlex® Fusion 6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		
XB79P6	GlobalFiler™ (STRmix)						
		12,15.3	19,24	10,10	15,15	11,12	
	2	9,11	10,14	13,13	15,16	9,12	8,11
		15,17	12,14	30,30	16,16	X,Y	10,12
		20,21			19,29.2	9.3,9.3	8,9
		16,20	11			2	
XCHA46	GlobalFiler™						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21			19,29.2	9.3	8,9
		16,20	11			2	
XDNBW	Identifiler® Direct						
			19,24		15	11,12	
	2	9,11	10,14			9,12	8,11
		15,17	12,14	30		X,Y	10,12
		20,21				9.3	8,9
		16,20					
XRDN4Y	PowerPlex® F6C						
		12,15.3	19,24	10	15	11,12	
	2	9,11	10,14	13	15,16	9,12	8,11
		15,17	12,14	30	16	X,Y	10,12
		20,21	12,13	12,26	19,29.2	9.3	8,9
		16,20	11	21	16		
XRTF6B	GlobalFiler™						
		12,15.3	19,24	10,10	15,15	11,12	
	2	9,11	10,14	13,13	15,16	9,12	8,11
		15,17	12,14	30,30	16,16	X,Y	10,12
		20,21			19,29.2	9.3,9.3	8,9
		16,20	11			2	
XT7Y4M	Identifiler® Plus						
			19,24		15,15	11,12	
	2	9,11	10,14			9,12	8,11
		15,17	12,14	30,30		X,Y	10,12
		20,21				9.3,9.3	8,9
		16,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

XX4H87	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
XYTVN4	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
Y3PDE9	PowerPlex® Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
Y4HVA3	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
Y6FJKK	Identifiler® Plus (STRmix)					
		19,24		15,15	11,12	
2	9,11	10,14			9,12	8,11
	15,17	12,14	30,30		X,Y	10,12
	20,21				9.3,9.3	8,9
	16,20					
YBNGDY	PowerPlex® 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
YFC9EZ	GlobalFiler™, Investigator® 24plex					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

YPGAWE	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
YQWJXT	Identifiler®, GlobalFiler™ Express					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11				
YWHLUW	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
YXCADR	PowerPlex® Fusion, GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11			2	
Z9AEWT	GlobalFiler™					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
ZBFW2F	GlobalFiler™ (STRmix)					
	12,15.3	19,24	10,10	15,15	11,12	
2	9,11	10,14	13,13	15,16	9,12	8,11
	15,17	12,14	30,30	16,16	X,Y	10,12
	20,21			19,29.2	9.3,9.3	8,9
	16,20	11			2	
ZD2LGL	PowerPlex® 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,25.4		9.3	8,9
	16,20	11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 2 - STR Results

ZDFAFT	PowerPlex® Fusion 5C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,>24		9.3	8,9
	16,20	11				
ZL2YLV	PowerPlex® ESI-17 fast					
	12,15.3	19,24	10,10	15,15		
2		10,14	13,13	15,16		8,11
	15,17	12,14	30,30	16,16	X,Y	
	20,21			19,29.2	9.3,9.3	
	16,20					
ZLYRCU	PowerPlex® F6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		
ZN2EPD	GlobalFiler™ (GeneMapper ID-X)					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21			19,29.2	9.3	8,9
	16,20	11			2	
ZYJVFY	PowerPlex® Fusion 5C, Fusion 6C					
	12,15.3	19,24	10	15	11,12	
2	9,11	10,14	13	15,16	9,12	8,11
	15,17	12,14	30	16	X,Y	10,12
	20,21	12,13	12,26	19,29.2	9.3	8,9
	16,20	11	21	16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

232BPQ	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
267JPF	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
28CJTG	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
299WHU	ESI DNA 17					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,(19),20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23			19,23,24.2,(28.2),29.2	7,8,9.3	
	16,18,(19),20				2	
2BH8PC	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
2C4EME	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
2EVPR9	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

2G6M8B	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
2GYJ86	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
2K2CQ4	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
2LFP8L	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
2QBZCY	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
2U9ZDA	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9,3	8,9,10,11
	16,18,20					
32MPN9	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

33DFMF	PowerPlex® Fusion (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9.3	8,9,10,11
	16,18,20	10,11				
37UWRD	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
3FHP2P	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>25		7,8,9.3	8,9,10,11
	16,18,20	10,11				
3LRYDR	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
3PARGJ	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	9,10,11	18,19,20,21	14,15,16		
3TBPUX	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
3U6VFD	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

3XMFHD	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
3YVAZD	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
3YX2RU	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
4BTGLP	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
4GUXVA	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
4KUEGW	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
4MGKRZ	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

4MN3YR	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
4ND3LP	Identifiler® Plus					
	-	19,23,24	-	15,17	11,12	-
3	9,11	10,12,14,15	-	-	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	-	X,Y	10,11,12
	20,21,23	-	-	-	7,8,9.3	8,9,10,11
	16,18,20	-	-	-	-	
4PLDJD	PowerPlex® Fusion (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9.3	8,9,10,11
	16,18,20	10,11				
4RUB84	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,[17]	11,12	
3	9,11	10,12,14,15	13,[16]	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
4RWKVZ	PowerPlex® 5C					
	[11],12,15.3	19,23,24	10,[11],[12]	15,[17]	11,12	
3	9,11	10,12,14,15	13,[16]	15,16,18	9,11,12	8,[9],11
	15,17,[20]	12,14,14.2,16	29,30	[14],15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		[7],[8],9.3	8,9,10,11
	16,[18],20	10,11				
4T84M4	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,[17]	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,[14.2],[16]	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,[24.2],29.2	[7],[8],9.3	8,9,[10],[11]
	16,18,20	[10],[11]			2	
4TRK37	GlobalFiler™ (STRmix 2.4.06)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

4W79M3	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
6368K7	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
638CYZ	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
6ARDEC	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
6EM6PU	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
6FU9YR	PowerPlex® Fusion 5C, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>25	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
6GP6M7	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

6JG426	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
6QR9CV	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
6T7VNW	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
6UYDG6	GlobalFiler™					
	[11],12,[15.3]	[19],23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,[16],18	9,[11],12	[8],[9],11
	15,[17],[20]	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,[11],[12]
	20,[21],23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
6VMV86	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
6VPG4K	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
6W7TPW	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,25,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

6WHXBT	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7322J2	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
76AARL	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
77Q986	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
7DNXNA	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7JC74E	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7K4RNC	PowerPlex® Fusion 5C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9.3	8,9,10,11
	16,18,20	10,11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

7LEJTL	PowerPlex® Fusion					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7MPJQ2	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,[16]	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
7NNGCV	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,25,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7UAJ9Z	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
7ZDMYX	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
87J4ZC	Identifiler®					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
8BF7CL	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

8MTV3G	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	18,19,20,21	14,15,16		
8UPQ32	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
8WEWLC	Identifiler® Plus (STRmix)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
8X33N4	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
8X98A8	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
8XPBVL	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
92Y9KK	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

963MND	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
99GN4H	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
9HFRT	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
9LP83C	GlobalFiler™					
	11,12,15.3	19,23,24	10,[11],[12]	15,[17]	[11],12	Not Tested
3	[9],11	10,12,14,15	13,[16]	15,16,18	[9],[11],12	8,9,11
	15,17,20	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,[11],[12]
	20,21,23	Not Tested	Not Tested	19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,18,20	10,11	Not Tested	Not Tested	2	
9VXWL3	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
A22LWZ	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
A83C7C	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

AARJQA	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
AB7Y7W	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
ABN2N6	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
AFXCK6	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
AKAB3Q	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
AM2PVM	PowerPlex® 21 (STRmix)					
	11,12,15.3	19,23,24		15,17	11,12	12,17,20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20					
AMXYAJ	PowerPlex® Fusion6C (STRMix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

AP9GVA	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
ARW2MZ	GlobalFiler™					
	[11],12,[15.3]	[19],23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	[15],[16],18	[9],[11],12	[8],[9],11
	15,[17],[20]	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,[11],[12]
	20,[21],23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
AUHNJU	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
AY8EE4	NGM					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23				7,8,9.3	
	16,18,20					
B36BJN	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
BBKVLZ	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
BCE34X	PowerPlex® Fusion (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

BFDXU8	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
BMFTKY	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
BNQZ2T	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
C2D22D	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	9,10,11	18,19,20,21	14,15,16		
C37HAM	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
C8HFT4	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
CBXXXR	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

CCWDFB	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	18,19,20,21	14,15,16		
CF9X9W	GlobalFiler™ (STRmix 2.4)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
CJ9A3C	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,[14.2],16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,[10],[11]
	16,18,20	10,11			2	
CNP4M	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
CTZKER	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
CUANBP	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,25,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
CVAVPV	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

CVPWCC	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
D7F8YA	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
D9AG6Q	PowerPlex® 5C					
	11,12,15.3	19,23,(24)	10,(11),(12)	15,(17)	(11),12	
3	(9),11	10,12,14,15	13,(16)	15,(16),18	(9),11,12	(8),9,11
	15,17,20	12,14,(14.2),16	29,30	(14),15,16	X,Y	10,(11),(12)
	(20),21,23	9,12,13,14	7,11,12,>25		(7),(8),9.3	8,9,10,11
	16,(18),(20)	10,11				
D9CETM	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
DDG7TK	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
DGJBCK	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
DHWXF	PowerPlex® 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

DHXM7J	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
DNKZYB	PowerPlex® Fusion 6C (STRMix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16,17	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
DVGBX9	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
DXANVY	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
DXLZJP	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
DYLTK4	PowerPlex® Fusion 6C (Lab Retriever)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
DZTERG	PowerPlex® ESI 17 FAST					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23			19,23,24.2,29.2	7,8,9.3	
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

E7GC3P	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
E9ZDWC	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
EE8VGX	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
EHCJX9	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
EHD42C	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
EKYD2H	PowerPlex® 21 (STRmix v2.4.06)					
	11,12,15.3	19,23,24		15,17	11,12	12,17,20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20					
EL88M3	GlobalFiler™ (STRMIX)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

ENE6UV	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
ETCWGU	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
EYXZWB	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
F2YL49	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
FC2GMD	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
FJ3GUY	PowerPlex® Fusion 6C (STRMIX)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	9,10,11	18,19,20,21	14,15,16		
FM2VF4	Identifiler® (STRmix v.2.5.11)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

FNU6D7	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
FYVG2L	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
G38XG4	GlobalFiler™					
	[11],12,[15.3]	19,23,24	10,[11],[12]	15,17	[11],12	-
3	[9],11	10,12,14,15	13,[16]	15,16,18	[9],[11],12	8,9,11
	15,17,20	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,11,12
	20,21,23	-	-	19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,18,20	10,11	-	-	2	
G3N8DB	PowerPlex® Fusion, GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GBK3C9	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GCW3NN	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GFU849	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

GGNQ8V	PowerPlex®					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20	10,11				
GJ2AGT	GlobalFiler™					
	[11],12,[15.3]	19,23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	[15],[16],18	[9],[11],12	[8],[9],11
	15,[17],[20]	12,14,14.2,[16]	29,30	[14],[15],16	X,Y	10,11,12
	20,21,23			19,23,[24.2],29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
GJUF8J	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GJWMQJ	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GLY4M9	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GMG28L	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
GMUMQV	GlobalFiler™ PCR Amplification Kit					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

GQQB83	Identifiler®					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
GQVNVY	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GTHZYB	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
GTLMBH	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12 ^	15,17 ^	11 ^,12	
3	9,11	10,12,14 ^,15 ^	13,16	15 ^,16 ^,18	9 ^,11 ^,12	8,9,11
	15,17,20 ^	12 ^,14,14.2 ^16	29,30	14,15 ^,16	X,Y	10,11,12
	20,21 ^,23	9,12,13 ^,14 ^	7,11,12,26 ^	19 ^,23,24.2,29.2 ^	7 ^,8 ^,9.3	8 ^,9 ^,10 ^,11
	16,18 ^,20	10,11	19,21	15,16		
GTMAJ2	Identifiler® Plus (STRmix)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
GWJUMK	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
H37FYY	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

H3Z9RW	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
H8FWA9	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
HANCUE	PowerPlex® 21					
	11,12,15.3	19,23,24		15,17	11,12	12,17,20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20					
HCVZPQ	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
HEHQNA	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
HJC79V	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
HMT8XV	PowerPlex® Fusion6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

HMWXHD	Identifiler® (STRmix v2.5.11)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
HN8EJC	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
HP3FHU	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
HPG4GZ	Identifiler® Plus (STRmix)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
HRL8EC	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
HUAHBW	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
HUWYE7	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

HVM7VW	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
HYG9E3	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
J2TQ8C	PowerPlex® Fusion (6C) (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
J7FZHP	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
JBECFB	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
JJNY7Q	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
JNG3X9	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

JRJUEM	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
JUPMFT	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
JXA6NK	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
K2JTE8	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
K8TXDL	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11				
K9GN9Y	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	-
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	-	-	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	-	-	2	
KCJG9P	PowerPlex® Fusion					
	[11],12,[15.3]	19,23,24	10,[11],12]	15,[17]	[11],12	
3	9,11	10,[12],14,15	13,[16]	15,16,18	[9],11,12	8,[9],11
	15,[17],20]	12,14,14.2,16	29,30	[14,15],16	[X],Y	10,[11],12]
	20,21,23	[9],12,13,[14]	7,11,12,>24		[7,8],9,3	8,9,[10,11]
	16,[18,20]	10,11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

KDXNWR	GlobalFiler™					
	11,12,15.3	19,23,24	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,16,18	9,11,12	[8],[9],11
	15,17,20	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,[11],[12]
	20,21,23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
KEB9QM	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
KKEGMH	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
KKFAPW	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
KLQ4E4	PowerPlex® ESI 16 Fast					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23				7,8,9.3	
	16,18,20					
KLU9QD	PowerPlex® 21 (STRmix)					
	11,12,15.3	19,23,24		15,17	11,12	12,17,20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20					
L4334Y	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,[24]	10,[11],12	15,[16],17	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,16,18	[9,11],12	8,9,11
	15,17,[20]	12,14,[14.2,16]	29,30	[14,15],16	X,Y	10,[11],12
	20,[21],23	[9],12,[13,14]	7,11,12,>24		[7],8,9.3	8,9,[10,11]
	16,[18,20]	[10],11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

L6LCAY	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
L88N2W	PowerPlex® Fusion 5C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,11
	15,17	12,14,14.2	29,30	15,16	X,Y	10,11,12
	20,21,23	12,13	11,12		8,9.3	8,9,11
	16,18,20	11				
L9LHQQ	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LCZD99	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
LE6EKL	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
LEKP9T	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LELKW7	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

LGR6J7	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
LJG7RE	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LNB8PM	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LPMMTT	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LPPWRY	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
LRE4CW	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LTNBD4	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

LUG49M	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
LUKLDD	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
M7P4LR	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
M82UVW	GlobalFiler™					
	[11],12,[15.3]	19,23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	[15],[16],18	9,[11],12	[8],[9],11
	15,[17],[20]	12,[14],[14.2],16	29,30	[14],[15],16	X,Y	10,[11],[12]
	[20],[21],23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
MA4Y4A	PowerPlex® Fusion6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
MELMUU	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
MJRV4Q	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

MLG48Z	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
MNT33M	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
MQXUUZ	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	18,19,20,21	15,16		
MTZR38	Identifiler®					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
MVPLVP	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
MWLEZ2	PowerPlex® Fusion 6C (strmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
N7K4YW	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

N8GEY7	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
N9PU7C	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NAM62E	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NAMX4T	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
NC9V66	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9,3	8,9,10,11
	16,18,20	10,11				
NEYVKN	Identifiler® Plus, GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NJ7KL9	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

NK9YLN	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NLC22R	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NM7WG9	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>25		7,8,9,3	8,9,10,11
	16,18,20	10,11				
NUM8VA	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NUUCET	GlobalFiler™ (STRMix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NVJJUJ	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
NXULKN	PowerPlex® ESI FAST					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23				7,8,9,3	
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

NYLGAH	PowerPlex® Fusion 6C					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11	19,21	15,16		
P4D76F	GlobalFiler™ (STR MIX)					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	
P9CB8Z	GlobalFiler™					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	
PA3GNQ	GlobalFiler™ (STRmix)					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	
PBWC3M	GlobalFiler™					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	
PBWWML	GlobalFiler™					
		11,12,15.3	19,23,24	10,11,12	15,17	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	
PD3UZH	GlobalFiler™					
		11,12,15.3	19,23,24	10,11,12	15,[17]	11,12
	3	9,11	10,12,14,15	13,16	15,16,18	9,11,12
		15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y
		20,21,23			19,23,24.2,29.2	7,8,9.3
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

PEFRMT	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
PNJGAJ	Identifiler®, Investigator® 24plex QS (STRmix)					
	[11],[12],[15.3]	[19],[23],[24]	10,[11],[12]	15,[17]	[11],[12]	
3	[9],[11]	10,12,14,15	13,[16]	[15],[16],18	[9],[11],12	[8],[9],[11]
	15,[17],[20]	12,[14],[14.2],[16]	29,30	[14],[15],16	X,Y	10,[11],[12]
	[20],[21],23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11				
PQP2Z6	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
PQPU3J	Investigator® 24plex QS (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
PU842H	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
PUBL69	GlobalFiler™, MiniFiler (eDNA Bullet)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
PUK3T7	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

PVJRPN	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
PWQH74	PowerPlex® F6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
Q22QAU	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15,(16)			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
Q3HBBW	PowerPlex® Fusion 6C (STRMix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
Q6KVRP	Investigator® 24plex QS					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
Q87MVE	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
Q8R6WF	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

QDFLQE	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
QG2WQ	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
QJ3NK3	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
QL94YV	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
QM43CE	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
QNF9B9F	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
QQK2DA	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

QT92LJ	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
QYKPLF	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
R9YZXX	GlobalFiler™					
	11,12,15.3	19,23,24	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,16,18	[9],[11],12	8,9,11
	15,[17],[20]	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
RAEMMK	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
RCY24L	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
RDDZ64	PowerPlex® 21 (STRmix)					
	11,12,15.3	19,23,24		15,17	11,12	12,17,20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20					
RDYCB4	PowerPlex® F6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

RE4GQR	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
RHPE6A	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
RJZ4L2	PowerPlex® Fusion, GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
RNU6HN	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
RUY4TD	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
RVWAFY	GlobalFiler™ (STRmix v2.4.06)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
T2APD2	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

T39UUU	PowerPlex® Fusion System, NGM SElect					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
T6FQE6	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
TBLYN2	ESI-17fast					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23			18,19,23,24.2,29.2	7,8,9.3	
	16,18,19,20					
TE3P6A	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,16,18	9,11,12	8,[9],11
	15,17,[20]	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,[12]
	[20],[21],23	9,12,13,14	7,11,12,>25		7,8,9.3	8,9,10,11
	16,[18],[20]	10,11				
TE4R9G	GlobalFiler™					
	[11],12,[15.3]	[19],23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	10,12,14,15	13,[16]	15,[16],18	[9],[11],12	[8],[9],11
	15,[17],[20]	12,14,[14.2],[16]	29,30	[14],[15],16	X,Y	10,[11],[12]
	20,[21],23			19,23,24.2,29.2	[7],[8],9.3	8,9,10,11
	16,[18],[20]	10,11			2	
TGQFKG	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
TKPU87	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20^	12,14,14.2^,16^	29,30	14,15,16	X,Y	10,11^,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7^,8^,9.3	8,9,10^,11^
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

TPYC2T	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
TQT34Z	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9.3	8,9,10,11
	16,18,20	10,11				
TRNJLP	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
TYB7L2	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
TYQME9	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
TYRFFM	Investigator® 24plex QS					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11				
TZJ4KG	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

U33YMU	PowerPlex® PP21 (eDNA)					
	11,12,15.3	19,23,24		15,17	11,12	12.17.20
3	9,11	10,12,14,15		15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,OL		7,8,9.3	8,9,10,11
	16,18,20					
U4YBPP	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
U8GVRP	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
ULGRR3	PowerPlex® Fusion 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
UV4BBW	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
UYZYM	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
UZ2UCV	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

UZY3KE	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
V28PHJ	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
V7HREM	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9,3	8,9,10,11
	16,18,20					
VBWKBB	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
VCTQZE	GlobalFiler™					
	11,12,[15.3]	[19],23,[24]	10,[11],[12]	15,[17]	[11],12	
3	[9],11	[10],12,14,15	13,[16]	[15],[16],18	[9],[11],12	[8],[9],11
	15,[17],[20]	12,14,14.2,16	29,30	[14],[15],16	X,Y	10,[11],[12]
	[20],[21],23			19,23,24.2,29.2	[7],[8],9,3	8,9,10,11
	16,[18],[20]	10,11			2	
VMP68J	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
VR38TF	GlobalFiler™					
	11,12,15.3	19,23,[24]	10,[11],12	15,17	11,12	
3	9,11	10,12,14,15	13,[16]	15,[16],18	9,[11],12	[8],9,11
	15,17,20	12,14,[14.2],[16]	29,30	14,15,16	X,Y	10,11,[12]
	20,21,23			19,23,24.2,29.2	[7],[8],9,3	[8],9,[10],[11]
	16,[18],20	[10],11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

VRMNB3	PowerPlex® Fusion 6C (STRMix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
VTX8ZL	PowerPlex® Fusion					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26		7,8,9.3	8,9,10,11
	16,18,20	10,11				
VYLDQL	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
W7ZJ2J	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
W8CDJ6	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
WADVML	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
X3AWL2	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

X44YHC	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
X64K6W	PowerPlex® 6C (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
X6LCEG	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
X6Y36C	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
XB72RJ	PowerPlex® Fusion 6C (Lab Retriever v2.2.1)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
XB79P6	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	
XCHA46	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9,3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

XDNBNW	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
XRDN4Y	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
XRTF6B	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
XT7Y4M	Identifiler® Plus					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
XX4H87	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
XYTVN4	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
Y3PDE9	PowerPlex® Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

Y4HVA3	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
Y6FJK	Identifiler® Plus (STRmix)					
		19,23,24		15,17	11,12	
3	9,11	10,12,14,15			9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30		X,Y	10,11,12
	20,21,23				7,8,9.3	8,9,10,11
	16,18,20					
YBNGDY	PowerPlex® 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9^,11
	15,17,20^	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21^,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7^,8^,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
YFC9EZ	GlobalFiler™, Investigator® 24plex					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
YPGAWWE	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
YWHLUW	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
YXCADR	PowerPlex® Fusion, GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

Z9AEWT	GlobalFiler™					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
ZBFW2F	GlobalFiler™ (STRmix)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	
ZD2LGL	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,25.4		7,9.3	8,9,10,11
	16,18,20	10,11				
ZDFAFT	PowerPlex® Fusion 5C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,>24		7,8,9.3	8,9,10,11
	16,18,20	10,11				
ZL2YLW	PowerPlex® ESI-17 fast					
	11,12,15.3	19,23,24	10,11,12	15,17		
3		10,12,14,15	13,16	15,16,18		8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	
	20,21,23			19,23,24.2,29.2	7,8,9.3	
ZLYRCU	PowerPlex® F6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		
ZN2EPD	GlobalFiler™ (GeneMapper ID-X)					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23			19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 3 - STR Results

ZYJFY	PowerPlex® Fusion 5C, Fusion 6C					
	11,12,15.3	19,23,24	10,11,12	15,17	11,12	
3	9,11	10,12,14,15	13,16	15,16,18	9,11,12	8,9,11
	15,17,20	12,14,14.2,16	29,30	14,15,16	X,Y	10,11,12
	20,21,23	9,12,13,14	7,11,12,26	19,23,24.2,29.2	7,8,9.3	8,9,10,11
	16,18,20	10,11	19,21	15,16		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

232BPQ	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
267JPF	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
28CJTG	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
299WHU	ESI DNA 17					
	11,12	23	11,12	15,17		
4		12,15	13,16	18		9,11
	15,(19),20	14.2,16	29	14,15	X,Y	
	23			23,24.2	7,8	
	16,18					
2BH8PC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2C4EME	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
2EVPR9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

2G6M8B	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2GYJ86	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
2K2CQ4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2LFP8L	PowerPlex® Fusion 6C (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
2QBZCY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
2U9ZDA	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
32MPN9	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

33DFMF	PowerPlex® Fusion (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				
37UWRD	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
3FHP2P	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
3LRYDR	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
3PARGJ	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
3TBPUX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
3U6VFD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

3XMFHD	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
3YVAZD	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
3YX2RU	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4BTGLP	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4GUXVA	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4KUEGW	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,[24],24.2	7,8	10,11
	16,18	10			2	
4MGKRZ	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

4MN3YR	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
4ND3LP	Identifiler® Plus					
	-	23	-	15,17	12	-
4	11	12,15	-	-	11,12	9,11
	15,20	14.2,16	29	-	X,Y	10,11
	23	-	-	-	7,8	10,11
	16,18	-	-	-	-	
4PLDJD	PowerPlex® Fusion (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				
4RUB84	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4RWKVZ	PowerPlex® 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
4T84M4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
4TRK37	GlobalFiler™ (STRmix 2.4.06)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

4W79M3	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
6368K7	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
638CZY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6ARDEC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6EM6PU	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
6FU9YR	PowerPlex® Fusion 5C, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10				
6GP6M7	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

6JG426	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
6QR9CV	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6T7VNW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6UYDG6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
6VMV86	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
6VPG4K	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
6W7TPW	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

6WHXBT	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7322J2	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
76AARL	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
77Q986	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
7DNXNA	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7JC74E	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7K4RNC	PowerPlex® Fusion 5C (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18	10				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

7LEJTL	PowerPlex® Fusion					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7MPJQ2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
7NNGCV	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7UAJ9Z	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
7ZDMYX	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
87J4ZC	Identifiler®					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
8BF7CL	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

8MTV3G	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
8UPQ32	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
8WEWLC	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
8X33N4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
8X98A8	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
8XPBVL	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
92Y9KK	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

963MND	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
99GN4H	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
9HFRT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
9LP83C	GlobalFiler™					
	11,12	23	11,12	15,17	12	Not Tested
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	Not Tested	Not Tested	23,24.2	7,8	10,11
	16,18	10	Not Tested	Not Tested	2	
9VXWL3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
A22LWZ	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
A83C7C	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

AARJQA	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
AB7Y7W	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ABN2N6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
AFXCK6	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AKAB3Q	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AM2PVM	PowerPlex® 21 (STRmix)					
	11,12	23,23		15,17	12,12	17,20
4	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
AMXYAJ	PowerPlex® Fusion6C (STRMix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

AP9GVA	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
ARW2MZ	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
AUHNJU	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
AY8EE4	NGM					
	11,12	23	11,12	15,17		
4		12,15	13,16	18		9,11
	15,20	14.2,16	29	14,15	X,Y	
	23				7,8	
	16,18					
B36BJN	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
BBKVLZ	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
BCE34X	PowerPlex® Fusion (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

BFDXU8	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
BMFTKY	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
BNQZ2T	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
C2D22D	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15,16		
C37HAM	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
C8HFT4	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CBXXXR	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

CCWDFB	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
CF9X9W	GlobalFiler™ (STRmix 2.4)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CJ9A3C	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
CNP4M	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
CTZKER	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
CUANBP	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
CVAVPV	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

CVPWCC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
D7F8YA	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
D9AG6Q	PowerPlex® 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
D9CETM	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DDG7TK	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DGJBCK	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DHWXF	PowerPlex® 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

DHXM7J	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DNKZYB	PowerPlex® Fusion 6C (STRMix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
DVGBX9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
DXANVY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
DXLZJP	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
DYLTK4	PowerPlex® Fusion 6C (Lab Retriever)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
DZTERG	PowerPlex® ESI 17 FAST					
	11,12	23	11,12	15,17		
4		12,15	13,16	18		9,11
	15,20	14.2,16	29	14,15	X,Y	
	23			23,24.2	7,8	
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

E7GC3P	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
E9ZDWC	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
EE8VGX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
EHCJX9	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
EHD42C	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
EKYD2H	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
4	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
EL88M3	GlobalFiler™ (STRMIX)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

ENE6UV	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ETCWGU	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
EYZWB	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
F2YL49	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
FC2GMD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
FJ3GUY	PowerPlex® Fusion 6C (STRMIX)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
FM2VF4	Identifiler®					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

FNU6D7	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
FYVG2L	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
G38XG4	GlobalFiler™					
	11,12	23	11,12	15,17	12	-
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	-	-	23,24.2	7,8	10,11
	16,18	10	-	-	2	
G3N8DB	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	
GBK3C9	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GCW3NN	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GFU849	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

GGNQ8V	PowerPlex®					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
GJ2AGT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GJUF8J	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GJWMQJ	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GLY4M9	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
GMG28L	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
GMUMQV	GlobalFiler™ PCR Amplification Kit					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

GQQB83	Identifiler®					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
GQVNVY	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
GTHZYB	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
GTLMBH	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
GTMAJ2	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
GWJUMK	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
H37FYY	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

H3Z9RW	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
H8FWA9	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HANCUE	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
4	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
HCVZPQ	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
HEHQNA	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HJC79V	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HMT8XV	PowerPlex® Fusion6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

HMWXHD	Identifiler® (STRmix 2.5.11)					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
HN8EJC	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HP3FHU	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
HPG4GZ	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
HRL8EC	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HUAHBW	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
HUWYE7	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

HVM7VW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
HYG9E3	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
J2TQ8C	PowerPlex® Fusion (6C) (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
J7FZHP	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
JBECFB	PowerPlex® Fusion 6C (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
JJNY7Q	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
JNG3X9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

JRJUEM	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
JUPMFT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
JXA6NK	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
K2JTE8	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
K8TXDL	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
K9GN9Y	GlobalFiler™					
	11,12	23	11,12	15,17	12	-
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	-	-	23,24.2	7,8	10,11
	16,18	10	-	-	2	
KCJG9P	PowerPlex® Fusion					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,[15]	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,[18]	10				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

KDXNWR	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
KEB9QM	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
KKEGMH	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
KKFAPW	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
KLQ4E4	PowerPlex® ESI 16 Fast					
	11,12	23,23	11,12	15,17		
4		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23				7,8	
	16,18					
KLU9QD	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
4	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
L4334Y	PowerPlex® Fusion 5C					
	11,[12]	23	11,[12]	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,[20]	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

L6LCAY	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
L88N2W	PowerPlex® Fusion 5C (STRmix)					
	11,12	23	11,12	15,17	12,12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
L9LHQQ	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LCZD99	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LE6EKL	Investigator® 24plex QS (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
LEKP9T	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LELKW7	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

LGR6J7	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LJG7RE	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LNB8PM	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LPMMTT	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LPPWRY	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
LRE4CW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
LTNBD4	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

LUG49M	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
LUKLDD	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
M7P4LR	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
M82UVW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MA4Y4A	PowerPlex® Fusion6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
MELMUU	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MJRV4Q	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

MLG48Z						
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MNT33M	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
MQXUUZ	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
MTZR38	Identifiler®					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
MVPLVP	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
MWLEZ2	PowerPlex® Fusion 6C (strmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
N7K4YW	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

N8GEY7	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
N9PU7C	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NAM62E	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NAMX4T	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
NC9V66	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
NEYVKN	Identifiler® Plus, GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NJ7KL9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

NK9YLN	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,[24],24.2	7,8	10,11
	16,18	10			2	
NLC22R	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NM7WG9	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
NUM8VA	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
NUUCET	GlobalFiler™ (STRMix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NVJJUJ	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
NXULKN	PowerPlex® ESI FAST					
	11,12	23,23	11,12	15,17		
4		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23				7,8	
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

NYLGAH	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
P4D76F	GlobalFiler™ (STR MIX)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
P9CB8Z	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PA3GNQ	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PBWC3M	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PBWWML	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PD3UZH	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

PEFRMT	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
PNJGAJ	Identifiler®, Investigator® 24plex QS (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10				
PQP2Z6	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PQPU3J	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
PU842H	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
PUBL69	GlobalFiler™, MiniFiler					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
PUK3T7	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

PVJRPN	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,[24],24.2	7,8	10,11
	16,18	10			2	
PWQH74	PowerPlex® F6C (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Q22QAU	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15,(16)			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
Q3HBBW	PowerPlex® Fusion 6C (STRMix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	9,10	18,19	14,15		
Q6KVRP	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
Q87MVE	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
Q8R6WF	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

QDFLQE	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QG2WQ	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QJ3NK3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
QL94YV	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
QM43CE	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
QNF9BF	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
QQK2DA	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

QT92LJ	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
QYKPLF	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
R9YZXX	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RAEMMK	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RCY24L	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RDDZ64	PowerPlex® 21					
	11,12	23,23		15,17	12,12	17,20
4	11,11	12,15		18,18	11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23	9,14	7,11		7,8	10,11
	16,18					
RDYCB4	PowerPlex® F6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

RE4GQR	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
RHPE6A	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
RJZ4L2	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	
RNU6HN	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
RUY4TD	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
RVWAFY	GlobalFiler™ (STRmix v2.4.06)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
T2APD2	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

T39UUU	PowerPlex® Fusion System, NGM SElect					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10				
T6FQE6	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
TBLYN2	ESI-17fast					
	11,12	23,23	11,12	15,17		
4		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23			23,24.2	7,8	
	16,18					
TE3P6A	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
TE4R9G	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
TGQFKG	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
TKPU87	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

TPYC2T	PowerPlex® Fusion 6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
TQT34Z	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
TRNJLP	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
TYB7L2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
TYQME9	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
TYRFFM	Investigator® 24plex QS					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10				
TZJ4KG	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

U33YMU	PowerPlex® PP21 (eDNA)					
	11,12	23		15,17	12	17,20
4	11	12,15		18	11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18					
U4YBPP	Identifiler® Plus					
		23,23		15,17	12,12	
4	[10],11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
U8GVRP	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
ULGRR3	PowerPlex® Fusion 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
UV4BBW	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
UYZYM	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
UZ2UCV	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

UZY3KE	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
V28PHJ	GlobalFiler™ (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
V7HREM	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
VBWKB8	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
VCTQZE	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
VMP68J	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
VR38TF	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

VRMNB3	PowerPlex® Fusion 6C (STRMix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
VTX8ZL	PowerPlex® Fusion					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
VYLDQL	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
W7ZJ2J	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
W8CDJ6	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
WADVML	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
X3AWL2	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

X44YHC	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
X64K6W	PowerPlex® 6C (STRmix)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
X6LCEG	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
X6Y36C	PowerPlex® F6C					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XB72RJ	PowerPlex® Fusion 6C (Lab Retriever v2.2.1)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XB79P6	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
XCHA46	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

XDNBNW	Identifiler® Plus					
		23		15,17	12	
4	11	12,15			11,12	9,11
	15,20	14.2,16	29		X,Y	10,11
	23				7,8	10,11
	16,18					
XRDN4Y	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
XRTF6B	GlobalFiler™					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
XT7Y4M	Identifiler® Plus					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
XX4H87	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
XYTVN4	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
Y3PDE9	PowerPlex® Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

Y4HVA3	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
Y6FJK	Identifiler® Plus (STRmix)					
		23,23		15,17	12,12	
4	11,11	12,15			11,12	9,11
	15,20	14.2,16	29,29		X,Y	10,11
	23,23				7,8	10,11
	16,18					
YBNGDY	PowerPlex® 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
YFC9EZ	GlobalFiler™, Investigator® 24plex					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
YPGAWE	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
YWHLUW	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
YXCADR	PowerPlex® Fusion, GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y InDel	

Item 4 - STR Results

Z9AEWT	GlobalFiler™					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	
ZBFW2F	GlobalFiler™ (STRmix)					
	11,12	23,23	11,12	15,17	12,12	
4	11,11	12,15	13,16	18,18	11,12	9,11
	15,20	14.2,16	29,29	14,15	X,Y	10,11
	23,23			23,24.2	7,8	10,11
	16,18	10			2	
ZD2LGL	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
ZDFAFT	PowerPlex® Fusion 5C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11		7,8	10,11
	16,18	10				
ZL2YLW	PowerPlex® ESI-17 fast					
	11,12	23,23	11,12	15,17		
4		12,15	13,16	18,18		9,11
	15,20	14.2,16	29,29	14,15	X,Y	
	23,23			23,24.2	7,8	
	16,18					
ZLYRCU	PowerPlex® F6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		
ZN2EPD	GlobalFiler™ (GeneMapper ID-X)					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23			23,24.2	7,8	10,11
	16,18	10			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	

Item 4 - STR Results

ZYJFY	PowerPlex® Fusion 5C, Fusion 6C					
	11,12	23	11,12	15,17	12	
4	11	12,15	13,16	18	11,12	9,11
	15,20	14.2,16	29	14,15	X,Y	10,11
	23	9,14	7,11	23,24.2	7,8	10,11
	16,18	10	19	15		

YSTR Amplification Kit(s) & Results

TABLE 3

WebCode	Amplification Kit									
	Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 1 - YSTR Results										
232BPQ	PowerPlex® Y 23									
1		16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25			
		11	11	19	15	24	14	11		
28CJTG	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
2BH8PC	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
2C4EME	Yfiler™									
1		16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19				
						24			11	
2G6M8B	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
2K2CQ4	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
2QBZCY	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
2U9ZDA	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
3TBPUX	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	
3U6VFD	PowerPlex® Y 23									
1		16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25			
		11	11	19	15	24	14	11		
4BTGLP	Yfiler™ Plus									
1	36,39	16	15,17	14	31	21	10	11	14	
	14	13	13	21	29	16	19	10	25	
	39	11		19	15	21	24		11	

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

4GUXVA	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4KUEGW	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4MGKRZ	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4MN3YR	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
4ND3LP	Yfiler™								
1	-	16	15,17	14	31	21	10	11	14
	14	13	13	21	-	16	19	-	-
	-	-	-	-	-	-	24	-	11
4RUB84	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
4RWKVZ	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
6FU9YR	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
6JG426	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
6QR9CV	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
6T7VNW	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

6VPG4K	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	
76AARL	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
						24		11	
77Q986	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
						24		11	
7DNXNA	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	
7LEJTL	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	
7UAJ9Z	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	
87J4ZC	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
8BF7CL	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
						24		11	
8WEWLC	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	
8X33N4	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
						24		11	
8XPBVL	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19		25	
	11	11	19	15		24	14	11	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

92Y9KK	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
9DK7VJ	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	>12	13	21		16	19		
							24		11
9HFTRT	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
9LP83C	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	Not Tested	19	15	21	24	Not Tested	11
9VXWL3	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
A83C7C	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AB7Y7W	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
ABN2N6	Yfiler™								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
AFXCK6	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AMXYAJ	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AY8EE4	PowerPlex® Y								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

BBKVLZ	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
BCE34X	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
BFDXU8	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
BNQZ2T	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CBXXXR	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CF9X9W	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CJ9A3C	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CVPWCC	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
D7F8YA	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DDG7TK	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
DGJBCK	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

DHVWXF	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
DHXM7J	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DXANVY	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DYLTK4	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
E7GC3P	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
E9ZDWC	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EE8VGX	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
EHCJX9	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EHD42C	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EKYD2H	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
F2YL49	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

FC2GMD	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
G38XG4	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	-	19	15	21	24	-	11
G3N8DB	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
GGNQ8V	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
GJWMQJ	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
GMUMQV	Yfiler™ Plus PCR Amplification Kit								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
GTMAJ2	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
GWJUMK	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
H37FYY	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HEHQNA	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
HFAU89	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	>12	13	21	16	19			
						24		11	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

HMT8XV	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HMWXHD	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HPG4GZ	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HUAHBW	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HUWYE7	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HVM7VW	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
J2TQ8C	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
JNG3X9	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
JRJUEM	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
JXA6NK	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
K2JTE8	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

K9GN9Y	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
		39	11	-	19	15	21	24	-	11
KCJG9P	PowerPlex® Y 23									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
			11	11	19	15		24	14	11
KDXNWR	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
		39	11		19	15	21	24		11
KKFAPW	Yfiler™									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		
								24		11
KLQ4E4	PowerPlex® Y 23									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
			11	11	19	15		24	14	11
L4334Y	PowerPlex® Y 23									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
			11	11	19	15		24	14	11
LCZD99	Yfiler™									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		
								24		11
LEKP9T	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
		39	11		19	15	21	24		11
LELKW7	PowerPlex® Y 23									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
			11	11	19	15		24	14	11
LGR6J7	PowerPlex® Y 23									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
			11	11	19	15		24	14	11
LNB8PM	Yfiler™									
	1		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		
								24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

LRE4CW	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
LTNBD4	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
LUG49M	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
							24		11
M7P4LR	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
MJR4Q	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
MLG48Z	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
MTZR38	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
MVPLVP	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NAMX4T	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NEYVKN	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
							24		11
NK9YLN	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

NLC22R	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
NXULKN	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NYLGAH	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
P9CB8Z	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
PBWC3M	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PEFRMT	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
PNJGAJ	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PU842H	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
PUBL69	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
PUK3T7	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PVJRPN	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

Q6KVRP	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			
						24			11
Q87MVE	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			25
		11	11	19	15	24	14		11
QDFLQE	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			
						24			11
QG2VWQ	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			
						24			11
QJ3NK3	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
QL94YV	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
QNFB9F	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			25
		11	11	19	15	24	14		11
QT92LJ	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			
						24			11
R9YZXX	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
RCY24L	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			25
		11	11	19	15	24	14		11
RDDZ64	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19			
						24			11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

RDYCB4	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		24	
									11	
RJZ4L2	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		25	
		11	11	19	15		24	14	11	
T2APD2	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		24	
									11	
T39UUUV	PowerPlex® Y 23 System									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		25	
		11	11	19	14		24	14	11	
TE3P6A	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		25	
		11	11	19	15		24	14	11	
TQT34Z	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		24	
									11	
TRNJLP	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
	14		13	13	21	29	16	19	10	25
		39	11		19	15	21	24		11
TYRFFM	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		24	
									11	
U33YMU	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		25	
		11	11	19	15		24	14	11	
U8GVRP	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		25	
		11	11	19	15		24	14	11	
ULGRR3	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21		16	19		24	
									11	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

UV4BBW	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
UZ2UCV	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
UZY3KE	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19			
						24			11
V7HREM	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
VBWK88	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19			
						24			11
VTX8ZL	PowerPlex® Y 23								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19	25		
		11	11	19	15	24	14	11	
W7ZJ2J	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19			
						24			11
W8CDJ6	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
WADVML	Yfiler™								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
X3AWL2	Yfiler™ Plus								
1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
X64K6W	Yfiler™								
1		16	15,17	14	31	21	10	11	14
	14	13	13	21	16	19			
						24			11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

XB72RJ	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
XB79P6	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
XCHA46	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25	
	39	11	19	15	21	24	11			
XDNBW	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
XRDN4Y	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
XRTF6B	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25	
	39	11	19	15	21	24	11			
Y6FJK	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25			
	11	11	19	15	24	14	11			
YPGAW	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25			
	11	11	19	15	24	14	11			
YQWJXT	Yfiler™									
	1	16	15,17	14	31	21	10	11	14	
	14	>12	13	21	16	19	24	11		
YWHLUW	Yfiler™ Plus									
	1	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25	
	39	11	19	15	21	24	11			
YXCADR	PowerPlex® Y 23									
	1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25			
	11	11	19	15	24	14	11			

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 1 - YSTR Results

ZD2LGL	PowerPlex® Y								
1	16	15,17	14	31	21	10	11	14	
	14	13	13						
ZDFAFT	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11	
ZLYRCU	Yfiler™								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11	
ZN2EPD	PowerPlex® Y 23								
1	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	14	25
		11	11	19	15				11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

232BPQ	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
28CJTG	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
2BH8PC	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
2C4EME	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		12
							21		12
2G6M8B	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
2K2CQ4	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
2QBZCY	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
2U9ZDA	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
3TBPUX	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
3U6VFD	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
4BTGLP	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

4GUXVA	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
4KUEGW	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
4MGKRZ	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
4MN3YR	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
4ND3LP	Yfiler™								
2	-	15	17	13	31	21	11	11	13
	14	11	11	21	-	15	16	-	-
	-	-	-	-	-	-	21	-	12
4RUB84	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
4RWKVZ	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
6FU9YR	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
6JG426	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
6QR9CV	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
6T7VNW	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

6VPG4K	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
76AARL	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
77Q986	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
7DNXNA	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
7LEJTL	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
7UAJ9Z	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
87J4ZC	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
8BF7CL	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
8WEWLC	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
8X33N4	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
8XPBVL	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

92Y9KK	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
9DK7VJ	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
9HFTRT	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
9LP83C	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11	Not Tested	21	16	20	21	Not Tested	12
9VXWL3	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
A83C7C	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
AARJQA	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
AB7Y7W	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
ABN2N6	Yfiler™								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
AFXCK6	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
AMXYAJ	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

AY8EE4	PowerPlex® Y								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
BBKVLZ	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
BCE34X	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
BFDXU8	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
BNQZ2T	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
CBXXXR	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
CF9X9W	Yfiler™ Plus								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
CJ9A3C	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
CVPWCC	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
D7F8YA	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
DDG7TK	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

DGJBCK	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
DHVWXF	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
DHXM7J	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
DXANVY	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
DYLTK4	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
E7GC3P	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
E9ZDWC	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
EE8VGX	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
EHCJX9	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
EHD42C	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
EKYD2H	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

F2YL49	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
FC2GMD	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
G38XG4	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11	-	21	16	20	21	-	12
G3N8DB	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
GGNQ8V	PowerPlex® Y								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
GJWMQJ	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
GMUMQV	Yfiler™ Plus PCR Amplification Kit								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
GTMAJ2	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
GWJUMK	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
H37FYY	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
HEHQNA	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

HFAU89	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
HMT8XV	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
HMWXHD	Yfiler™ Plus								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
HPG4GZ	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
HUAHBW	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
HUWYE7	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
HVM7VW	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
J2TQ8C	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
JNG3X9	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
JRJUEM	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
JXA6NK	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

K2JTE8	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
K9GN9Y	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11	-	21	16	20	21	-	12
KCJG9P	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
KDXNWR	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
KKFAPW	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
KLQ4E4	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
L4334Y	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
LCZD99	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
LEKP9T	Yfiler™ Plus								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
LELKW7	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
LGR6J7	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

LNB8PM	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
LRE4CW	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
LTNBD4	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
LUG49M	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
M7P4LR	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
MJR4Q	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
MLG48Z									
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
MTZR38	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
MVPLVP	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
NAMX4T	Yfiler™ Plus								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
NEYVKN	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

NK9YLN	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
NLC22R	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
							21		12
NXULK	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
NYLGAH	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
P9CB8Z	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
PBWC3M	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
							21		12
PEFRMT	PowerPlex® Y 23								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
PNJGAJ	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		28
							21		12
PU842H	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
PUBL69	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
PUK3T7	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
							21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

PVJRPN	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
Q6KVRP	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		12
							21		12
Q87MVE	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
QDFLQE	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		12
							21		12
QG2WVQ	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		12
							21		12
QJ3NK3	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
QL94YV	Yfiler™ Plus								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
QNF9BF	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
QT92LJ	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		12
							21		12
R9YZXX	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
RCY24L	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

RDDZ64	Yfiler™									
	2	15	17,17	13	31	21	11	11	13	
	14	11	11	21		15	16		12	
							21			
RDYCB4	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		12	
							21			
RJZ4L2	PowerPlex® Y 23									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		28	
							21	14	12	
T2APD2	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		12	
							21			
T39UUUV	PowerPlex® Y 23 System									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		28	
							21	14	12	
TE3P6A	PowerPlex® Y 23									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		28	
							21	14	12	
TQT34Z	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		12	
							21			
TRNJLP	Yfiler™ Plus									
	2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28	
							21		12	
TYRFFM	Yfiler™									
	2	15	17,17	13	31	21	11	11	13	
	14	11	11	21		15	16		12	
							21			
U33YMU	PowerPlex® Y 23									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21		15	16		28	
							21	14	12	
U8GVRP	PowerPlex® Y 23									
	2	15	17,17	13	31	21	11	11	13	
	14	11	11	21		15	16		28	
							21	14	12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

ULGRR3	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
UV4BBW	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
UZ2UCV	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
UZY3KE	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
V7HREM	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
VBWKB8	Yfiler™								
2		15	17,17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
VTX8ZL	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
W7ZJ2J	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
W8CDJ6	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
WADVML	Yfiler™								
2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12
X3AWL2	Yfiler™ Plus								
2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28
	41	11		21	16	20	21		12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

X64K6W	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
XB72RJ	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
XB79P6	Yfiler™									
	2	15	17,17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
XCHA46	Yfiler™ Plus									
	2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28	
	41	11		21	16	20	21		12	
XDNBW	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
XRDN4Y	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
XRTF6B	Yfiler™ Plus									
	2	37,39	15	17,17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28	
	41	11		21	16	20	21		12	
Y6FJKK	PowerPlex® Y 23									
	2	15	17,17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	14	28	
		11	11	21	16		21		12	
YPGAW	PowerPlex® Y 23									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	14	28	
		11	11	21	16		21		12	
YQWJXT	Yfiler™									
	2	15	17	13	31	21	11	11	13	
	14	11	11	21	15	16	21	12		
YWHLUW	Yfiler™ Plus									
	2	37,39	15	17	13	31	21	11	11	13
	14	11	11	21	28	15	16	10	28	
	41	11		21	16	20	21		12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 2 - YSTR Results

YXCADR	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12
ZD2LGL	PowerPlex® Y								
2		15	17	13	31	21	11	11	13
	14	11	11						
ZDFAFT	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
ZLYRCU	Yfiler™								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		
							21		12
ZN2EPD	PowerPlex® Y 23								
2		15	17	13	31	21	11	11	13
	14	11	11	21		15	16		28
		11	11	21	16		21	14	12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

232BPQ	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
28CJTG	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
2BH8PC	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
2C4EME	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19			
						21,24		11,12	
2G6M8B	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
2K2CQ4	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
2QBZCY	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
2U9ZDA	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
3TBPUX	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
3U6VFD	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
4BTGLP	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

4GUXVA	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
4KUEGW	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
4MGKRZ	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
4MN3YR	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
4ND3LP	Yfiler™								
3	-	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	-	15,16	16,19	-	-
	-	-	-	-	-	-	21,24	-	11,12
4RUB84	Yfiler™								
3		15,[16]	[15],17	13,[14]	31	21	10,11	11	13,14
	14	11,[13]	11,13	21		15,16	16,19		
							21,24		11,12
4RWKVZ	PowerPlex® Y 23								
3		15,16	[15],17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	[11],12
6FU9YR	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
6JG426	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
6QR9CV	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
6T7VNW	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

6VPG4K	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
76AARL	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19			
						21,24		11,12	
77Q986	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19			
						21,24		11,12	
7DNXNA	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
7LEJTL	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
7UAJ9Z	PowerPlex® Y 23								
3	15,16	15,17,18	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13,14	21	15,16	16,19		25,26,28	
	11	11	19,21	15,16		21,23,24	13,14	11,12	
87J4ZC	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
8BF7CL	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19			
						21,24		11,12	
8WEWLC	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
8X33N4	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19			
						21,24		11,12	
8XPBVL	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

92Y9KK	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
9HFTRT	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
9LP83C	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	Not Tested	19,21	15,16	20,21	21,24	Not Tested	11,12
9VXWL3	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
A83C7C	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
AB7Y7W	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
ABN2N6	Yfiler™								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
AFXCK6	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
AMXYAJ	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
AY8EE4	PowerPlex® Y								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
BBKVLZ	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

BCE34X	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
BFDXU8	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
BNQZ2T	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
CBXXXR	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
CF9X9W	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
CJ9A3C	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
CVPWCC	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
D7F8YA	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
DDG7TK	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
DGJBCK	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
DHWXF	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

DHXM7J	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
DXANVY	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
DYLTK4	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
E7GC3P	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
E9ZDWC	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
EE8VGX	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
EHCJX9	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
EHD42C	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
EKYD2H	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
F2YL49	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
FC2GMD	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

G38XG4	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	-	19,21	15,16	20,21	21,24	-	11,12
G3N8DB	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
GGNQ8V	PowerPlex® Y								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
GJWMQJ	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
GMUMQV	Yfiler™ Plus PCR Amplification Kit								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
GTMAJ2	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
GWJUMK	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
H37FYY	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
HEHQNA	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
HMT8XV	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
HMWXHD	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

HPG4GZ	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
HUAHBW	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
HUWYE7	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
HVM7VW	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
J2TQ8C	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
						21,24		11,12	
JNG3X9	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
JRJUEM	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
JXA6NK	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
K2JTE8	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	
K9GN9Y	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	-	19,21	15,16	20,21	21,24	-	11,12
KCJG9P	PowerPlex® Y 23								
3	15,[16]	[15],17	13,14	31	21	10,11	11	13,14	
	14	11,[13]	11,[13]	21	15,16	16,19		25,28	
	11	11	19,21	15,16		21,24	14	11,12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

KDXNWR	Yfiler™ Plus								
3	[36],[37],39	15,16	[15],17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
KKFAPW	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
KLQ4E4	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
L4334Y	PowerPlex® Y 23								
3		[15],16	[15],17	13	31	21	10,[11]	11	13,14
	14	11	11,[13]	21		15,16	16,19		25,28
		11	11	[18,19],21	[15],16		21,24	14	[11],12
LCZD99	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
LEKP9T	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
LELKW7	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
LGR6J7	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
LNB8PM	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
LRE4CW	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
LTNBD4	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

LUG49M	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
M7P4LR	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
MJR4Q	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
MLG48Z	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
MTZR38	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
MVPLVP	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16,[17]	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
NAMX4T	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
NEYVKN	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
NK9YLN	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
NLC22R	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
NXULKN	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

NYLGAH	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
	11	11	19,21	15,16	21,24	14	11,12			
P9CB8Z	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
	11	11	19,21	15,16	21,24	14	11,12			
PBWC3M	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
						21,24	11,12			
PEFRMT	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
	11	11	19,21	15,16	21,24	14	11,12			
PNJGAJ	Yfiler™									
	3	15,16	[15],17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
						21,24	11,12			
PU842H	Yfiler™ Plus									
	3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28	
	39,41	11	19,21	15,16	20,21	21,24	11,12			
PUBL69	Yfiler™ Plus									
	3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28	
	39,41	11	19,21	15,16	20,21	21,24	11,12			
PUK3T7	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
						21,24	11,12			
PVJRPN	Yfiler™ Plus									
	3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28	
	39,41	11	19,21	15,16	20,21	21,24	11,12			
Q6KVRP	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
						21,24	11,12			
Q87MVE	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28			
	11	11	19,21	15,16	21,24	14	11,12			

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

QDFLQE	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	21,24	11,12	
QG2VWQ	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	21,24	11,12	
QJ3NK3	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
QL94YV	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
QNFB9F	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28		
	11	11	19,21	15,16	21,24	14	11,12		
QT92LJ	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	21,24	11,12	
R9YZXX	Yfiler™ Plus								
3	36,37,39	15,16	[15],17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11	19,21	15,16	20,21	21,24		11,12	
RCY24L	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28		
	11	11	19,21	15,16	21,24	14	11,12		
RDDZ64	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	21,24	11,12	
RDYCB4	Yfiler™								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	21,24	11,12	
RJZ4L2	PowerPlex® Y 23								
3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21	15,16	16,19	25,28		
	11	11	19,21	15,16	21,24	14	11,12		

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

T2APD2	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
T39UUUV	PowerPlex® Y 23 System								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	14,15		21,24	14	11,12
TE3P6A	PowerPlex® Y 23								
3		15,16	[15],17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
TQT34Z	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
TRNJLP	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
U33YMU	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
U8GVRP	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
ULGRR3	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
UV4BBW	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
UZ2UCV	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
UZY3KE	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

V7HREM	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
VBWKBB	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
VTX8ZL	PowerPlex® Y 23								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		25,28
		11	11	19,21	15,16		21,24	14	11,12
W7ZJ2J	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
W8CDJ6	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
WADVML	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
X3AWL2	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12
X64K6W	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
XB72RJ	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
XB79P6	Yfiler™								
3		15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21		15,16	16,19		
							21,24		11,12
XCHA46	Yfiler™ Plus								
3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28
	39,41	11		19,21	15,16	20,21	21,24		11,12

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 3 - YSTR Results

XDNBW	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19			
							21,24		11,12	
XRDN4Y	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19			
							21,24		11,12	
XRTF6B	Yfiler™ Plus									
	3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28	
	39,41	11		19,21	15,16	20,21	21,24		11,12	
Y6FJKK	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19		25,28	
		11	11	19,21	15,16		21,24	14	11,12	
YPGAWE	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19		25,28	
		11	11	19,21	15,16		21,24	14	11,12	
YWHLUW	Yfiler™ Plus									
	3	36,37,39	15,16	15,17	13,14	31	21	10,11	11	13,14
	14	11,13	11,13	21	28,29	15,16	16,19	10	25,28	
	39,41	11		19,21	15,16	20,21	21,24		11,12	
YXCADR	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19		25,28	
		11	11	19,21	15,16		21,24	14	11,12	
ZD2LGL	PowerPlex® Y									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13							
ZDFAFT	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19			
							21,24		11,12	
ZLYRCU	Yfiler™									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19			
							21,24		11,12	
ZN2EPD	PowerPlex® Y 23									
	3	15,16	15,17	13,14	31	21	10,11	11	13,14	
	14	11,13	11,13	21		15,16	16,19		25,28	
		11	11	19,21	15,16		21,24	14	11,12	

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

232BPQ	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
28CJTG	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
2BH8PC	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
2C4EME	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
2G6M8B	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
2K2CQ4	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
2QBZCY	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
2U9ZDA	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
3TBPUX	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
3U6VFD	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
4BTGLP	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

4GUXVA	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4KUEGW	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4MGKRZ	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
4MN3YR	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
4ND3LP	Yfiler™								
4	-	16	15,17	14	31	21	10	11	14
	14	13	13	21	-	16	19	-	-
	-	-	-	-	-	-	24	-	11
4RUB84	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
4RWKVZ	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
6FU9YR	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
6JG426	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
6QR9CV	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
6T7VNW	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

6VPG4K	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
76AARL	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
77Q986	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
7DNXNA	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
7LEJTL	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
7UAJ9Z	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
87J4ZC	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
8BF7CL	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
8WEWLC	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
8X33N4	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
8XPBVL	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

92Y9KK	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
9HFTRT	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
9LP83C	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	Not Tested	19	15	21	24	Not Tested	11
9VXWL3	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
A83C7C	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AARJQA	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
AB7Y7W	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
ABN2N6	Yfiler™								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
AFXCK6	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AMXYAJ	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
AP9GVA	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

AY8EE4	PowerPlex® Y								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
BBKVLZ	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
BCE34X	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
BFDXU8	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
BNQZ2T	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CBXXXR	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CF9X9W	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CJ9A3C	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
CVPWCC	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
D7F8YA	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DDG7TK	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

DGJBCK	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DHVWXF	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
DHXM7J	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DXANVY	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
DYLT4	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
E7GC3P	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
E9ZDWC	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EE8VGX	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
EHCJX9	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EHD42C	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
EKYD2H	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

F2YL49	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
FC2GMD	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
G38XG4	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	-	19	15	21	24	-	11
G3N8DB	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
GGNQ8V	PowerPlex® Y								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
GJWMQJ	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
GMUMQV	Yfiler™ Plus PCR Amplification Kit								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
GTMAJ2	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
GWJUMK	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
H37FYY	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HEHQNA	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

HMT8XV	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HMWXHD	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HPG4GZ	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HUAHBW	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
HUWYE7	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
HVM7VW	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
J2TQ8C	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
JNG3X9	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
JRJUEM	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
JXA6NK	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
K2JTE8	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

K9GN9Y	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11	-	19	15	21	24	-	11
KCJG9P	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
KDXNWR	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
KKFAPW	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
KLQ4E4	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
L4334Y	PowerPlex® Y 23								
4		16	[15],17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
LCZD99	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
LEKP9T	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
LELKW7	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
LGR6J7	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
LNB8PM	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

LRE4CW	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
LTNBD4	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
LUG49M	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
							24		11
M7P4LR	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
MJR4Q	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
MLG48Z	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
MTZR38	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
MVPLVP	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NAMX4T	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NEYVKN	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
							24		11
NK9YLN	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

NLC22R	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
NXULKN									
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
NYLGAH	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
P9CB8Z	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
PBWC3M	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PEFRMT	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
PNJGAJ	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PU842H	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
PUBL69	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
PUK3T7	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
PVJRPN	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

Q22QAU	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
Q6KVRP	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
Q87MVE	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
QDFLQE	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
QG2WVQ	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
QJ3NK3	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
QL94YV	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
QNF9BF	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
QT92LJ	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
R9YZXX	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
RCY24L	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

RDDZ64	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
RDYCB4	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
RE4GQR	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
RJZ4L2	PowerPlex® Y 23									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25	11	11	
T2APD2	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
T39UUUV	PowerPlex® Y 23 System									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25	11	11	
TE3P6A	PowerPlex® Y 23									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25	11	11	
TQT34Z	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		
TRNJLP	Yfiler™ Plus									
	4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25	
U33YMU	PowerPlex® Y 23									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	25	11	11	
U4YBPP	Yfiler™									
	4	16	15,17	14	31	21	10	11	14	
	14	13	13	21	16	19	24	11		

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

U8GVRP	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
ULGRR3	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
UV4BBW	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
UZ2UCV	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
UZY3KE	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
V7HREM	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
VBWK88	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
VTX8ZL	PowerPlex® Y 23								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		25
		11	11	19	15		24	14	11
W7ZJ2J	Yfiler™								
4		16	15,17	14	31	21	10	11	14
	14	13	13	21		16	19		
							24		11
W8CDJ6	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11
WADVML	Yfiler™ Plus								
4	36,39	16	15,17	14	31	21	10	11	14
	14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF38751	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

X3AWL2	Yfiler™ Plus									
	4	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24			11
X64K6W	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
XB72RJ	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
XB79P6	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
XCHA46	Yfiler™ Plus									
	4	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24			11
XDNBW	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
XRDN4Y	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
XRTF6B	Yfiler™ Plus									
	4	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24			11
XT7Y4M	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
							24			11
Y6FJK	PowerPlex® Y 23									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
		11	11	19	15		24	14		11
YPGAW	PowerPlex® Y 23									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
		11	11	19	15		24	14		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4

Item 4 - YSTR Results

YWHLUW	Yfiler™ Plus									
	4	36,39	16	15,17	14	31	21	10	11	14
		14	13	13	21	29	16	19	10	25
	39	11		19	15	21	24			11
YXCADR	PowerPlex® Y 23									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
		11	11	19	15		24	14		11
ZD2LGL	PowerPlex® Y									
	4		16	15,17	14	31	21	10	11	14
		14	13	13						
ZDFAFT	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		
							24			11
ZLYRCU	Yfiler™									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		
							24			11
ZN2EPD	PowerPlex® Y 23									
	4		16	15,17	14	31	21	10	11	14
		14	13	13	21		16	19		25
		11	11	19	15		24	14		11

Additional DNA Results

TABLE 4

Additional DNA results found to be concordant at a pre-existing locus are retained solely within the applicable tables. Non-concordant results and results for loci not found elsewhere will remain in this table.

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
--------------	----------------	---------------	---------------	---------------	---------------

No additional DNA results were reported.

DNA Interpretations

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

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
22U4DQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				3YVAZD	Yes	Yes	Yes	No
232BPQ	Yes	Yes	Yes	No	3YX2RU	Yes	Yes	Yes	No
267JPF	Yes	Yes	Yes	No	4BTGLP	Yes	Yes	Yes	No
28CJTG	Yes	Yes	Yes	No	4GUXVA	Yes	Yes	Yes	No
299WHU	Yes	Yes	Yes	No	4KUEGW	Yes	Yes	Yes	No
2BH8PC	Yes	Yes	Yes	No	4MGKRZ	Yes	Yes	Yes	No
2C4EME	Yes	Yes	Yes	No	4MN3YR	Yes	Yes	Yes	No
2EVPR9	Yes	Yes	Yes	No	4ND3LP	Yes	Yes	Yes	No
2G6M8B	Yes	Yes	Yes	No	4NV84M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2GYJ86	Yes	Yes	Yes	No	4PLDJD	Yes	Yes	Yes	No
2K2CQ4	Yes	Yes	Yes	No	4RUB84	Yes	Yes	Yes	No
2LFP8L	Yes	Yes	Yes	No	4RWKVZ	Yes	Yes	Yes	No
2QBZCY	Yes	Yes	Yes	No	4T84M4	Yes	Yes	Yes	No
2U9ZDA	Yes	Yes	Yes	No	4TRK37	Yes	Yes	Yes	No
32MPN9	Yes	Yes	Yes	No	4W79M3	Yes	Yes	Yes	No
33DFMF	Yes	Yes	Yes	No	6368K7	Yes	Yes	Yes	No
37UWRD	Yes	Yes	Yes	No	638CYZ	Yes	Yes	Yes	No
3FHP2P	Yes	Yes	Yes	No	6ARDEC	Yes	Yes	Yes	No
3LRYDR	Yes	Yes	Yes	No	6EM6PU	Yes	Yes	Yes	No
3PARGJ	Yes	Yes	Yes	No	6FU9YR	Yes	Yes	Yes	No
3TBPUX	Yes	Yes	Yes	No	6GP6M7	Yes	Yes	Yes	No
3U6VFD	Yes	Yes	Yes	No	6JG426	Yes	Yes	Yes	No
3XMFHD	Yes	Yes	Yes	No	6QR9CV	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
6T7VNW	Yes	Yes	Yes	No	92Y9KK	Yes	Yes	Yes	No
6UYDG6	Yes	Yes	Yes	No	963MND	Yes	Yes	Yes	No
6VMV86	Yes	Yes	Yes	No	99GN4H	Yes	Yes	Yes	No
6VPG4K	Yes	Yes	Yes	No	9DK7VJ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6W7TPW	Yes	Yes	Yes	No	9HFTRT	Yes	Yes	Yes	No
6WHXBT	Yes	Yes	Yes	No	9LP83C	Yes	Yes	Yes	No
7322J2	Yes	Yes	Yes	No	9VXWL3	Yes	Yes	Yes	No
76AARL	Yes	Yes	Yes	No	A22LWZ	Yes	Yes	Yes	No
77Q986	Yes	Yes	Yes	No	A83C7C	Yes	Yes	Yes	No
7DNXNA	Yes	Yes	Yes	No	AARJQA	Yes	Yes	Yes	No
7JC74E	Yes	Yes	Yes	No	AB7Y7W	Yes	Yes	Yes	No
7K4RNC	Yes	Yes	Yes	No	ABN2N6	Yes	Yes	Yes	No
7LEJTL	Yes	Yes	Yes	No	AFXCK6	Yes	Yes	Yes	No
7MPJQ2	Yes	Yes	Yes	No	AKAB3Q	Yes	Yes	Yes	No
7NNGCV	Yes	Yes	Yes	No	AM2PVM	Yes	Yes	Yes	No
7UAJ9Z	Yes	Yes	Yes	No	AMXYAJ	Yes	Yes	Yes	No
7ZDMYX	Yes	Yes	Yes	No	AP9GVA	Yes	Yes	Yes	No
87J4ZC	Yes	Yes	Yes	No	ARW2MZ	Yes	Yes	Yes	No
8BF7CL	Yes	Yes	Yes	No	AUHNJU	Yes	Yes	Yes	No
8MTV3G	Yes	Yes	Yes	No	AY8EE4	Yes	Yes	Yes	No
8UPQ32	Yes	Yes	Yes	No	B36BJN	Yes	Yes	Yes	No
8WEWLC	Yes	Yes	Yes	No	BBKVLZ	Yes	Yes	Yes	No
8X33N4	Yes	Yes	Yes	No	BCE34X	Yes	Yes	Yes	No
8X98A8	Yes	Yes	Yes	No	BFDXU8	Yes	Yes	Yes	No
8XPBVL	Yes	Yes	Yes	No	BMFTKY	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
BNQZ2T	Yes	Yes	Yes	No	DZTERG	Yes	Yes	Yes	No
C2D22D	Yes	Yes	Yes	No	E7GC3P	Yes	Yes	Yes	No
C37HAM	Yes	Yes	Yes	No	E9ZDWC	Yes	Yes	Yes	No
C8HFT4	Yes	Yes	Yes	No	EE8VGX	Yes	Yes	Yes	No
CBXXR	Yes	Yes	Yes	No	EHCJX9	Yes	Yes	Yes	No
CCWDFB	Yes	Yes	Yes	No	EHD42C	Yes	Yes	Yes	No
CF9X9W	Yes	Yes	Yes	No	EKYD2H	Yes	Yes	Yes	No
CJ9A3C	Yes	Yes	Yes	No	EL88M3	Yes	Yes	Yes	No
CNPK4M	Yes	Yes	Yes	No	ENE6UV	Yes	Yes	Yes	No
CTZKER	Yes	Yes	Yes	No	ETCWGU	Yes	Yes	Yes	No
CUANBP	Yes	Yes	Yes	No	EYXZWB	Yes	Yes	Yes	No
CVAVPV	Yes	Yes	Yes	No	F2YL49	Yes	Yes	Yes	No
CVPWCC	Yes	Yes	Yes	No	FC2GMD	Yes	Yes	Yes	No
D7F8YA	Yes	Yes	Yes	No	FJ3GUY	Yes	Yes	Yes	No
D9AG6Q	Yes	Yes	Yes	No	FM2VF4	Yes	Yes	Yes	No
D9CETM	Yes	Yes	Yes	No	FNU6D7	Yes	Yes	Yes	No
DDG7TK	Yes	Yes	Yes	No	FYVG2L	Yes	Yes	Yes	No
DGJBCK	Yes	Yes	Yes	No	G38XG4	Yes	Yes	Yes	No
DHVWXF	Yes	Yes	Yes	No	G3N8DB	Yes	Yes	Yes	No
DHXM7J	Yes	Yes	Yes	No	GBK3C9	Yes	Yes	Yes	No
DNKZYB	Yes	Yes	Yes	No	GCW3NN	Yes	Yes	Yes	No
DVGBX9	Yes	Yes	Yes	No	GFU849	Yes	Yes	Yes	No
DXANVY	Yes	Yes	Yes	No	GGNQ8V	Yes	Yes	Yes	No
DXLZJP	Yes	Yes	Yes	No	GJ2AGT	Yes	Yes	Yes	No
DYLTK4	Yes	Yes	Yes	No	GJUF8J	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GJWMQJ	Yes	Yes	Yes	No	HUWYE7	Yes	Yes	Yes	No
GLY4M9	Yes	Yes	Yes	No	HVM7VW	Yes	Yes	Yes	No
GMG28L	Yes	Yes	Yes	No	HYG9E3	No Interp	No Interp	No Interp	No Interp
GMUMQV	Yes	Yes	Yes	No	J2TQ8C	Yes	Yes	Yes	No
GQQB83	Yes	Yes	Yes	No	J7FZHP	Yes	Yes	Yes	No
GQVNVY	Yes	Yes	Yes	No	JBECFB	Yes	Yes	Yes	No
GTHZYB	Yes	Yes	Yes	No	JJNY7Q	Yes	Yes	Yes	No
GTLMBH	Yes	Yes	Yes	No	JNG3X9	Yes	Yes	Yes	No
GTMAJ2	Yes	Yes	Yes	No	JRJUEM	Yes	Yes	Yes	No
GWJUMK	Yes	Yes	Yes	No	JUPMFT	Yes	Yes	Yes	No
H37FYY	Yes	Yes	Yes	No	JXA6NK	Yes	Yes	Yes	No
H3Z9RW	Yes	Yes	Yes	No	K2JTE8	Yes	Yes	Yes	No
H8FWA9	Yes	Yes	Yes	No	K8TXDL	Yes	Yes	Yes	No
HANCUE	Yes	Yes	Yes	No	K9GN9Y	Yes	Yes	Yes	No
HCVZPQ	Yes	Yes	Yes	No	KCJG9P	Yes	Yes	Yes	No
HEHQNA	Yes	Yes	Yes	No	KDXNWR	Yes	Yes	Yes	No
HFAU89	No Interpretations Reported, DNA Analyzed for Database purposes only.				KEB9QM	Yes	Yes	Yes	No
HJC79V	Yes	Yes	Yes	No	KKEGMH	Yes	Yes	Yes	No
HMT8XV	Yes	Yes	Yes	No	KKFAPW	Yes	Yes	Yes	No
HMWXHD	Yes	Yes	Yes	No	KLQ4E4	Yes	Yes	Yes	No
HN8EJC	Yes	Yes	Yes	No	KLU9QD	Yes	Yes	Yes	No
HP3FHU	Yes	Yes	Yes	No	L4334Y	Yes	Yes	Yes	No
HPG4GZ	Yes	Yes	Yes	No	L6LCAY	Yes	Yes	Yes	No
HRL8EC	Yes	Yes	Yes	No	L88N2W	Yes	Yes	Yes	No
HUAHBW	Yes	Yes	Yes	No	L9LHQQ	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LCZD99	Yes	Yes	Yes	No	N8GEY7	Yes	Yes	Yes	No
LE6EKL	Yes	Yes	Yes	No	N9PU7C	Yes	Yes	Yes	No
LEKP9T	Yes	Yes	Yes	No	NAM62E	Yes	Yes	Yes	No
LELKW7	Yes	Yes	Yes	No	NAMX4T	Yes	Yes	Yes	No
LGR6J7	Yes	Yes	Yes	No	NC9V66	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LJG7RE	Yes	Yes	Yes	No	NEYVKN	Yes	Yes	Yes	No
LN8BPM	Yes	Yes	Yes	No	NJ7KL9	Yes	Yes	Yes	No
LPMMTT	Yes	Yes	Yes	No	NK9YLN	Yes	Yes	Yes	No
LPPWRY	Yes	Yes	Yes	No	NLC22R	Yes	Yes	Yes	No
LRE4CW	Yes	Yes	Yes	No	NM7WG9	Yes	Yes	Yes	No
LTNBD4	Yes	Yes	Yes	No	NUM8VA	Yes	Yes	Yes	No
LUG49M	Yes	Yes	Yes	No	NUUCET	Yes	Yes	Yes	No
LUKLDD	Yes	Yes	Yes	No	NVJJUJ	Yes	Yes	Yes	No
M7P4LR	Yes	Yes	Yes	No	NXULKN	Yes	Yes	Yes	No
M82UVW	Yes	Yes	Yes	No	NYLGAH	Yes	Yes	Yes	No
MA4Y4A	Yes	Yes	Yes	No	P4D76F	Yes	Yes	Yes	No
MELMUU	Yes	Yes	Yes	No	P9CB8Z	Yes	Yes	Yes	No
MJRV4Q	Yes	Yes	Yes	No	PA3GNQ	Yes	Yes	Yes	No
MLG48Z	Yes	Yes	Yes	No	PBWC3M	Yes	Yes	Yes	No
MNT33M	Yes	Yes	Yes	No	PBWWML	Yes	Yes	Yes	No
MQXUUZ	Yes	Yes	Yes	No	PD3UZH	Yes	Yes	Yes	No
MTZR38	Yes	Yes	Yes	No	PEFRMT	Yes	Yes	Yes	No
MVPLVP	Yes	Yes	Yes	No	PNJGAJ	Yes	Yes	Yes	No
MWLEZ2	Yes	Yes	Yes	No	PQP2Z6	Yes	Yes	Yes	No
N7K4YW	No Interp	No Interp	No Interp	No Interp	PQPU3J	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
PU842H	Yes	Yes	Yes	No	RHPE6A	No Interp	No Interp	No Interp	No Interp
PUBL69	Yes	Yes	Yes	No	RJZ4L2	Yes	Yes	Yes	No
PUK3T7	Yes	Yes	Yes	No	RNU6HN	Yes	Yes	Yes	No
PVJRPN	Yes	Yes	Yes	No	RUY4TD	Yes	Yes	Yes	No
PWQH74	Yes	Yes	Yes	No	RVWAFY	Yes	Yes	Yes	No
Q22QAU	Yes	Yes	Yes	No	T2APD2	Yes	Yes	Yes	No
Q3HBBW	Yes	Yes	Yes	No	T39UUUV	Yes	Yes	Yes	No
Q6KVRP	Yes	Yes	Yes	No	T6FQE6	Yes	Yes	Yes	No
Q87MVE	Yes	Yes	Yes	No	TBLYN2	Yes	Yes	Yes	No
Q8R6WF	Yes	Yes	Yes	No	TE3P6A	Yes	Yes	Yes	No
QDFLQE	Yes	Yes	Yes	No	TE4R9G	Yes	Yes	Yes	No
QG2VWQ	Yes	Yes	Yes	No	TGQFKG	Yes	Yes	Yes	No
QJ3NK3	Yes	Yes	Yes	No	TKPU87	Yes	Yes	Yes	No
QL94YV	Yes	Yes	Yes	No	TPYC2T	Yes	Yes	Yes	No
QM43CE	Yes	Yes	Yes	No	TQT34Z	Yes	Yes	Yes	No
QNFB9F	Yes	Yes	Yes	No	TRNJLP	Yes	Yes	Yes	No
QQK2DA	Yes	Yes	Yes	No	TYB7L2	Yes	Yes	Yes	No
QT92LJ	Yes	Yes	Yes	No	TYQME9	Yes	Yes	Yes	No
QYKPLF	Yes	Yes	Yes	No	TYRFFM	Yes	Yes	Yes	No
R9YZXX	Yes	Yes	Yes	No	TZJ4KG	Yes	Yes	Yes	No
RAEMMK	Yes	Yes	Yes	No	U33YMU	Yes	Yes	Yes	No
RCY24L	Yes	Yes	Yes	No	U4YBPP	Yes	Yes	Yes	No
RDDZ64	Yes	Yes	Yes	No	U8GVRP	Yes	Yes	Yes	No
RDYCB4	Yes	Yes	Yes	No	ULGRR3	Yes	Yes	Yes	No
RE4GQR	Yes	Yes	Yes	No	UV4BBW	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
UYZYMX	Yes	Yes	Yes	No	XRTF6B	Yes	Yes	Yes	No
UZ2UCV	Yes	Yes	Yes	No	XT7Y4M	Yes	Yes	Yes	No
UZY3KE	Yes	Yes	Yes	No	XX4H87	Yes	Yes	Yes	No
V28PHJ	Yes	Yes	Yes	No	XYTVN4	Yes	Yes	Yes	No
V7HREM	Yes	Yes	Yes	No	Y3PDE9	Yes	Yes	Yes	No
VBWKB8	Yes	Yes	Yes	No	Y4HVA3	Yes	Yes	Yes	No
VCTQZE	Yes	Yes	Yes	No	Y6FJXK	Yes	Yes	Yes	No
VMP68J	Yes	Yes	Yes	No	YBNGDY	Yes	Yes	Yes	No
VR38TF	Yes	Yes	Yes	No	YFC9EZ	Yes	Yes	Yes	No
VRMNB3	Yes	Yes	Yes	No	YPGAWE	Yes	Yes	Yes	No
VTX8ZL	Yes	Yes	Yes	No	YQWJXT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VYLDQL	Yes	Yes	Yes	No	YWHLUW	Yes	Yes	Yes	No
W7ZJ2J	Yes	Yes	Yes	No	YXCADR	Yes	Yes	Yes	No
W8CDJ6	Yes	Yes	Yes	No	Z9AEWT	Yes	Yes	Yes	No
WADVML	Yes	Yes	Yes	No	ZBFW2F	Yes	Yes	Yes	No
X3AWL2	Yes	Yes	Yes	No	ZD2LGL	Yes	Yes	Yes	No
X44YHC	Yes	Yes	Yes	No	ZDFAFT	Yes	Yes	Yes	No
X64K6W	Yes	Yes	Yes	No	ZL2YLW	Yes	Yes	Yes	No
X6LCEG	Yes	Yes	Yes	No	ZLYRCU				
X6Y36C	Yes	Yes	Yes	No	ZN2EPD	Yes	Yes	Yes	No
XB72RJ	Yes	Yes	Yes	No	ZYJVFY	Yes	Yes	Yes	No
XB79P6	Yes	Yes	Yes	No					
XCHA46	Yes	Yes	Yes	No					
XDNBNW	Yes	Yes	Yes	No					
XRDN4Y	No Interpretations Reported, DNA Analyzed for Database purposes only.								

DNA Interpretation**Response Summary****Participants reporting DNA results: 342**

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)?

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	331	331	331	0
No	0	0	0	331
Inc	0	0	0	0
No Interpretation	3	3	3	3
No Response	1	1	1	1

Participants analyzing DNA for database purposes only: 7

Additional Comments

TABLE 6

WebCode	Additional Comments
299WHU	I WOULD ATTRIBUTE DNA MATCHING IP ON ITEM 4 TO BLOOD. THE DNA RESULT ON ITEM 3 COULD BE DUE TO BLOOD OF IP AND BLOOD OF SUSPECT, OR CELLULAR OF IP AND BLOOD OF SUSPECT. FROM THE LIMITED INFO I HAVE I CAN'T RULE OUT THAT IT IS BLOOD FROM IP AND CELLULAR FROM SUSPECT BUT I THINK THIS IS LESS LIKELY IF THE ITEM WAS WORN BY THE IP AS I WOULD EXPECT THERE TO BE MUCH MORE DNA MATCHING IP THAN SUSPECT IF THERE WAS BOTH IP CELLS AND BLOOD MIXED WITH ONLY THE CELLS OF THE SUSPECT.
2C4EME	Items 3 and 4 reported as 3-1 and 4-1 respectively.
2U9ZDA	The screening analysis of another biological fluids was not performed, based on the forensic case scenario.
3LRYDR	Reporting with stutter filters on.
3PARGJ	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
3XMFHD	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
4KUEGW	The 24 allele reported at SE33 for Item 4 is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
4MN3YR	Forensic biologist performed all serological testing
4ND3LP	Extraction: Item 1 and Item 2 were extracted in situ. Item 3 and Item 4 were extracted using chelex extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct Kit. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y-Filer Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-filer kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
4W79M3	The probabilistic genotyping software STRmix was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
6JG426	Overlapping locus (Fusion 6C and Yfiler) concordant
6QR9CV	Items 3 and 4 were PSA tested to determine whether the samples should be sent differential or non-differential.
6VMV86	α -HuHb = anti-human hemoglobin using Hematrace ABACard.
6W7TPW	Item 3: The 25 allele in Penta E is apparent elevated stutter (9.2%); however, it is above the laboratories internally validated stutter filter(8.8%). There was no indication of a 3rd contributor in the rest of the profile. This locus was dropped and not used for comparison and stats.

TABLE 6

WebCode	Additional Comments
76AARL	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 was extracted using DNA IQ Kit on Tecan Freedom Evo 150. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct Kit. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
7JTWZY	Conducted stain identification testing only.
7NNGCV	At Penta E in Item 4, allele 25 is reported as indistinguishable from stutter. Its PHR with allele 26 is 10.8%; our lab's n-4 stutter filter at Penta E is set to 8.8%. This allele was not used for interpretation and the locus was not included in the statistical analysis per our SOP.
7UAJ9Z	The Y STR profile for item 1.3 exhibits the following peaks that are indistinguishable from stutter. These peaks may be stutter and not attributed to DNA from a contributor. DYS481 (26), DYS635 (23), DYS439 (14), DYS643 (13), DYS385 (18).
7ZDMYX	reporting results with stutter filters on
8BF7CL	Extraction: Item 1 and Item 2 were extracted in situ. Item 3 and Item 4 were extracted using chelex extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct Kit. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
8MTV3G	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Also when needed: Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
8UPQ32	STRmix probabilistic genotyping software used. Item 3 - mixture proportions (40:60).
8V3MNT	This test is being submitted for serology/stain identification only.
8X98A8	The [Laboratory Name] does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.

TABLE 6

WebCode	Additional Comments
92Y9KK	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 was extracted using DNA IQ Kit on Tecan Freedom Evo 150. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using AmpFLSTR identifier Direct Kit. Item 3 and Item 4 were amplified using AmpFLSTR Identifier Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
BCE34X	Fusion and Yfiler data are concordant.
C2D22D	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
C8HFT4	Reporting results with stutter filters on.
CCWDFB	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
CTZKER	Reporting results with stutter filters on.
CUANBP	Item 3 -- Penta E allele 25 is above our stutter filters so was left in this profile. It is considered indistinguishable from stutter and the locus would be dropped per our protocol.
D9AG6Q	Item 2 and Item 3 -Locus Penta E- reported as >25 which is a virtual bin and not an allelic ladder. As per protocol can "Extrapolate the allele based on the allelic ladder or virtual bin." (see FB DNA Profile and Haplotype Interpretation Records Protocol). Powerplex Y23 sample processing was conducted on the following items: Item 1, Item 2, Item 3 and Item 4. YSTR analysis and interpretation was not conducted. (parenthesis indicate minor alleles in a mixture
DNKZYB	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
DXLZJP	reporting results with stutter filters on
EKYD2H	NR = Not reportable
EL88M3	STRmix was used for Data Interpretation
ETCWGU	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.

TABLE 6

WebCode	Additional Comments
FJ3GUY	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
GJUF8J	PSA testing was performed on items 3 and 4 to determine extraction type and is not a part of this proficiency test.
GJWMQJ	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain an elevated stutter peak which is being reported to the vendor but which has been modeled as stutter probabilistically during interpretation at the following locus/loci: Item 4, SE33, allele 24.
GQVNVY	reporting results with stutter filters on
GTLMBH	^ indicates peaks below stochastic threshold as per [Laboratory] policy
HCVZPQ	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
HUAHBW	Item 3 was degraded and multiple amplifications with increasing amounts of input DNA had to be performed due to the degradation.
HYG9E3	No interpretation performed. Proficiency is used for screening purposes only.
J2TQ8C	Concordant results generated with Fusion 6C and Direct amplifications (#1 and #2). Concordant results between kits at DYS391.
K8TXDL	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
KEB9QM	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
KKEGMH	reporting results with stutter filters on
L88N2W	Low level DNA obtained from Item 3. Additional alleles were present but below the analysis threshold.
LCZD99	Serology testing completed by member of Forensic Biology unit. All samples concordant between Fusion 6C and Yfiler results @ DYS391.
LE6EKL	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
MQXUUZ	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
MVPLVP	The 17 allele reported at DYS456 for Item 3 is in an elevated stutter position and was not filtered by the laboratory analysis software. Per laboratory protocol, it would be reported as additional genetic data that could not be conclusively interpreted.

TABLE 6

WebCode	Additional Comments
MWLEZ2	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Also when needed: Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
N7K4YW	No interpretations performed. Proficiency used for screening purposes only.
N8GEY7	reporting with stutter filters on
NAM62E	reporting results with stutter filters on
NJ7KL9	Prostate Specific Antigen (PSA) testing was performed by a qualified serologist in order to determine whether items 3.0 and 4.0 should be processed differentially or non-differentially. PSA testing results were negative for item 3.0 and item 4.0; therefore, both items were processed non-differentially.
NK9YLN	The 24 allele reported at SE33 for Item 4 is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
NLC22R	reporting results with stutter filters on
NUM8VA	PSA screening test was performed to identify the extraction method for the samples.
NUUCET	reporting results with stutter filters on
P4D76F	Reporting with stutter filters on
PA3GNQ	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. The [Laboratory Name] utilizes probabilistic genotyping software as a tool to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Allelic peaks given a weight of less than 99% of being a true allele are not listed. As a result, some expected alleles may not be listed, particularly those that are in the stutter position. The [Laboratory Name] does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests.
PQP2Z6	reporting with stutter filters on
PQPU3J	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
PVJRPN	The 24 allele reported at SE33 for Item 4 is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
Q3HBBW	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported.
Q96LF9	DNA analysis not performed. Used for screening only.
QDFLQE	Reporting results with stutter filters on.

TABLE 6

WebCode	Additional Comments
RDYCB4	Serology screening tests for blood performed by Forensic Biologist.
RHPE6A	The analyst being tested is not competent in the interpretation of unknown samples at this time.
T2APD2	1. Item 1, Item 2, Item 3 and Item 4 were extracted by using Chelex extraction method. 2. DNA quantitation was carried out using Quantifiler Human DNA Quantification kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 systems. 3. Amplification of STR (Short Tandem Repeat)genetic loci was carried out using the AmpFISTR Identifiler Plus PCR amplification kit. 4. Amplification of Y-STR (Short Tandem Repeat)genetic loci was carried out using the AmpFISTR Y-Filer PCR amplification kit. 5. Capillary electrophoresis was carried out using the Applied Biosystems 3500xl Genetic Analyzers with Gene Mapper ID Software. 6. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results.
T39UUV	1. The questioned stain marked with "Item 3" revealed the presence of human blood. The results obtained from questioned stain marked with "Item 3" indicate that the genetic material is a mixture i.e. it is derived from at least two men. The questioned stain may be a mixture genetic material of man, which the material was taken as male victim marked with "Item 1" and the man, which the material was taken as male suspect marked with "Item 2". 2. The questioned stain marked with "Item 4" revealed the presence of human blood. The results obtained from questioned stain marked with "Item 4" indicate genetic profile of a male taken as victim marked with "Item 1".
TBLYN2	Raised stutter seen in crime stain 3 - particularly at VWA (19) and SE33 (18). If this result was statistically evaluated, I would use the [Laboratory] software, LiRa, which would take the stutters into account.
TE3P6A	Penta E true off ladder allele sized as > virtual bin 25 in Powerplex Fusion 5C in items 2 and 3-autosomal.
TKPU87	^ indicates peaks below stochastic threshold as per [Laboratory] policy
TYQME9	reporting results with stutter filters on
U33YMU	Item 2 profile has an off-ladder(OL) allele at Penta E. Our lab's policy is to not assign an allele size if there is not a bin both before and after the allele; this allele is outside the bin so we would assign an OL designation. Item 3 also exhibits an OL at Penta E. The explanation given for Item 2 also pertains to this sample.
UYZYMx	Items 3.1, 3.2, 4.1, and 4.2 were PSA tested to determine whether to extract these items differentially or non-differentially and is not part of this proficiency test.
UZy3KE	Item 3 Y-STR Result Statement: The Y-chromosomal profile developed from Item 3 is a mixture of at least two males. The mixture cannot be separated into major and minor profiles. The Scientific Working Group on DNA Analysis Methods (SWGDM) has not reached a consensus on the appropriate statistical approach for estimating the occurrence of mixed Y-chromosomal profiles in a population. Therefore, no conclusionary statement will be made regarding the Y-chromosomal results for Item 3.
V28PHJ	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. The [Laboratory Name] does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
V7HREM	All Items were extracted using organic extraction procedure. All Items were amplified using Identifiler plus kit. All Items were quantified using quantifiler Trio Kit. Electrophoresis for all items was carried out on 3130 XL Genetic Analyzer instrument. Blank, positive, and negative control were carried out along with the analysis.

TABLE 6

WebCode	Additional Comments
VBWKB8	reporting results with stutter filters on
VPBB77	Y-screening analysis conducted only. For Item 3, possible male DNA was indicated. For Item 4, possible male DNA was indicated.
X64K6W	Forensic Biology analyst performed body fluid testing. DNA analyst performed KM testing.
XB72RJ	Item three at locus D18S51 had possible elevated N-4 stutter to the 20 allele.
XB79P6	reporting results with stutter filters on
XDNBW	1) In-situ extraction method was used to extract DNA from Item 1 and Item 2. 2) Chelex extraction method was used to extract DNA from Item 3 and 4. 3) DNA quantitation was carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 System. 4) Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Identifiler Plus and Direct PCR Amplification Kit. 5) Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out using the AmpFISTR Y-Filer PCR Amplification Kit. 6) Capillary electrophoresis was carried out using the Applied Biosystems 3500xl Genetic Analyzers with GeneMapper ID-X Software. 7) Reagent blank, positive control and negative control were carried out throughout the analysis.
XQGRJP	No DNA analysis done. Only Serological analysis.
XRDN4Y	Results for bench processing only. No conclusions. Forensic Biologist performed all serological testing. Results for database (samples #1 and #2) and casework (samples #3, #4).
XX4H87	reporting results with stutter filters on
Y3PDE9	Item 3: Mixture of 2 (46:54) Victim 46% Suspect 54%
YBNGDY	^ indicates peak below stochastic threshold per [Laboratory] policy
Z8ZN83	Y screen analysis was conducted only. DNA analysis was not performed. Possible male DNA was indicated on item #3. Possible male DNA was indicated on item #4.
ZBFW2F	reporting results with stutter filters on
ZD2LGL	A rare off-ladder, allelic variation ("25.4") was detected at the Suspect's (Item-2) Penta E locus. Item-3 is a DNA mixture. The Victim (Item-1) and the Suspect (Item-2) cannot be excluded as contributors to the questioned stains. The Allelic variant ("25.4") at Penta E locus was also observed on Item-3. Item-4 is a single source DNA. The Victim (Item-1) is the sole contributor to the questioned stain.
ZLYRCU	Bench processing only. No conclusions. Forensic Biologist performed all serology tests.

-End of Report-
(Appendix may follow)

Appendix: Data Sheet

Collaborative Testing Services ~ Forensic Testing Program

Test No. 18-5706: Forensic Biology

DATA MUST BE RECEIVED BY December 17, 2018 TO BE INCLUDED IN THE REPORT

Participant Code:

WebCode:

Accreditation Release Statement

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

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

Scenario:

Police are investigating the murder of a male victim. The victim's body was discovered with several stab wounds in the hallway of his apartment building by a passing neighbor. Police arrived at the scene and reviewed the security footage from the stairwell of the apartment building and discovered a male suspect exiting the floor where the victim was discovered. The suspect was identified and soon apprehended. Investigators are submitting a stain from a shirt (Item 3) collected from the victim and a stain from the pants (Item 4) collected from the suspect along with blood samples from the male victim (Item 1) and male suspect (Item 2).

Items Submitted (Sample Pack B6):

- Item 1: Known blood from the male victim
- Item 2: Known blood from the male suspect
- Item 3: Questioned stain from victim's shirt (yellow)
- Item 4: Questioned stain from suspect's pants (blue)

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	Alternate Light Source	ALS
Kastle Meyer	KM	Leucomalachite Green	LMG
Microscopic	Micro	Ortho-tolidine	O-tol
Phenolphthalein-Tetramethyl benzidine	PTMB	Prostate Specific Antigen	PSA
Rapid Stain Identification	RSID	Tetramethyl benzidine	TMB

Example

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

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

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Item 3 Blood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Semen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Item 4 Blood	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Semen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Saliva	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Other (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Please return all pages of this data sheet.

Part II: DNA ANALYSIS

DNA Analysis Instructions:

Use the instructions below to complete the following DNA Analysis sections of this data sheet.

- * Report alleles in numerical order, separated by a comma.
- * Follow your laboratory policy for reporting homozygotes.
- * If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- * Stains with more than one contributor: If a differential extraction is performed, split the box with a horizontal line and report the results of the different fractions above and below the line - indicate which is the sperm fraction (sp) and which is the epithelial fraction (e) (Example A); otherwise, list the alleles in numerical order (Example B).

Example	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043	
A	<i>e</i>	10,11	15,16	8	12,13	7	8
	<i>sp</i>	12,13	15,17	8,17	11	14,15	11,13
B	[10],[11],12,13	15,[16],17	8,17	[11],12,13	7,14,15	8,11,13	

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

Reporting of YSTR alleles generated from primarily autosomal STR multiplex systems.

- 1) The YSTR loci commonly generated using STR multiplex systems are now included in the STR section. (DYS391, DYS570, DYS576, Y Indel)
- 2) There is no longer a need to transcribe YSTR results from STR multiplex systems to the YSTR section.

For probabilistic genotyping software, a text field has been added directly below the amplification kit section for each item to capture which software was used.

Additional DNA Results:

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

	Item 1	Item 2	Item 3	Item 4
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
_____	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

Part II (continued): DNA Results for Known Item 1

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____ Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
1	<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"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
1	<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"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
1	<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 2

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____
 PowerPlex® _____ Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2	<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"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
2	<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"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2	<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 Questioned Item 3

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please return all pages of this data sheet.

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

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

Identifiler® _____
 GlobalFiler™ _____
 Investigator® 24plex _____

PowerPlex® _____
 Other _____

Report the Probabilistic Genotyping Software Used (if applicable): _____

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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

Yfiler™ _____
 PowerPlex® Y _____
 Other _____

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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"/>
No Interpretation <input type="checkbox"/>	<input type="checkbox"/>	No Interpretation <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 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 accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

Return Instructions: Data must be received via online data entry, fax (please include a cover sheet), or mail by <i>December 17, 2018</i> to be included in the report. Emailed data sheets are not accepted.		ONLINE DATA ENTRY: www.cts-portal.com
QUESTIONS?		FAX: +1-571-434-1937
TEL: +1-571-434-1925 (8 am - 4:30 pm EST)		MAIL: Collaborative Testing Services, Inc.
EMAIL: forensics@cts-interlab.com		P.O. Box 650820
www.ctsforensics.com		Sterling, VA 20165-0820 USA

Please return all pages of this data sheet.

Collaborative Testing Services - Forensic Testing Program

RELEASE OF DATA TO ACCREDITATION BODIES

The following Accreditation Releases will apply only to:

Participant Code: _____ WebCode: _____

for Test No. **18-5706: Forensic Biology**

This release page must be completed and received by **December 17, 2018** to have this participant's submitted data included in the reports forwarded to the respective Accreditation Bodies.

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

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

ANAB Certificate No. _____
(Include ASCLD/LAB Certificate here)

A2LA Certificate No. _____

Step 2: Complete the Laboratory Identifying Information in its entirety

Signature and Title _____

Laboratory Name _____

Location (City/State) _____

Accreditation Release	
<u>Return Instructions</u>	
<i>Please submit the completed Accreditation Release at the same time as your full data sheet. See Data Sheet Return Instructions on the previous page.</i>	<i>Questions? Contact us 8 am-4:30 pm EST Telephone: +1-571-434-1925 email: forensics@cts-interlab.com</i>

Please return all pages of this data sheet.