



## **Forensic Biology Test No. 19-5703 Summary Report**

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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 366 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  $\mu$ l) and 3 (50  $\mu$ l) were created using blood collected from the same male donor. Items 2 (75  $\mu$ l) and 4 (50  $\mu$ l) were created using blood collected from the same male donor, different from the donor used for Items 1 and 3. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on April 16, 2019 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:** All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci.

## 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	16,16.3	16,22	10,13	16,17	11,11	*
	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19	2	
2	12,16.3	17,26	10,14	14,16	12,12	*
	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19	2	
3	16,16.3	16,22	10,13	16,17	11,11	*
	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19	2	
4	12,16.3	17,26	10,14	14,16	12,12	*
	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19	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	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	13	17	19	24	23	10	12
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	13	17	19	24	23	10	12

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

## **Summary Comments**

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The 19-5703 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were each created using blood from the same male donor. Items 2 and 4 were each created using blood from the same male donor, different from the donor used for Items 1 and 3. (See Manufacturer's Information for preparation details)

Data were returned by 366 participants.

### Screening Test Results:

Screening results were returned by a total of 345 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 343 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 141 participants that returned results reported "Negative". For the presence of saliva, all but one of the 69 participants that returned results for saliva reported "Negative" results. The one remaining participant reported "Inconclusive" results.

For Item 4, all 343 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 143 participants that returned results reported "Negative" results. For the presence of saliva, all but one of the 63 participants that returned results for saliva, reported "Negative" results. The one remaining participant reported "Inconclusive" results.

### DNA Analysis Results:

Of the 348 participants that returned results, 338 reported DNA interpretations. Eight participants stated that the samples were only analyzed for database purposes and two selected the "No Interpretations" option individually for all Interpretation questions.

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

For the Item 4 stain, all participants that reported interpretations excluded the victim (Item 1) and included the suspect (Item 2) as possible contributors.

There were no participants who reported allelic results that differed from consensus/predistribution for the known samples (Items 1 and 2). A total of 14 participants reported allelic results that differed from consensus/predistribution for the questioned samples (Items 3 and 4). Most of these participants reported an additional allele at one or more loci with many of these participants reporting utilizing probabilistic genotyping (PG) software and indicating in their comments that filters may not be applied for some or all reported loci. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

Of the total participants returning DNA results, 30% reported the use of PG software. There were several types of software used. However, the genotyping software STRmix was reported most frequently by participants.

## 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 benzidine	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
248XTH					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
29Y9VT					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
2HB3E3					
Item 3	Pos	KM	Neg AP, Micro	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro	Neg RSID	
2PE4TN					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
2TCVJM					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
2TNTVD					
Item 3	Pos	Hemochromogen	NT	NT	
Item 4	Pos	Hemochromogen	NT	NT	
2TULR8					
Item 3	Pos	Phenolphthalein	NT	NT	
Item 4	Pos	Phenolphthalein	NT	NT	
2VB7C2					
Item 3	Pos	KM	Neg BCIP	NT	
Item 4	Pos	KM	Neg BCIP	NT	
32WEGR					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
37DNRB					
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
38KYB8					
Item 3	Pos	KM	NT	Neg Phadebas	
Item 4	Pos	KM	NT	Neg Phadebas	

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
39C7GP							
Item 3	Pos	LMG, HemaTrace	Neg	ALS, AP, Micro, PSA			
Item 4	Pos	LMG, HemaTrace	Neg	ALS, AP, Micro, PSA			
3ARJAT							
Item 3	Pos	TMB (Hemastix) & HemaTrace	Neg	ALS & AP	NT		
Item 4	Pos	TMB (Hemastix) & HemaTrace	Neg	ALS & AP	NT		
3DP3WY							
Item 3	Pos	Hemastix	NT		NT		
Item 4	Pos	Hemastix	NT		NT		
3DQQJ6							
Item 3	Pos	O-tol	NT		NT		
Item 4	Pos	O-tol	NT		NT		
3GUDNU							
Item 3	Pos	KM, HemaTrace	Neg	AP	NT		
Item 4	Pos	KM, HemaTrace	Neg	AP	NT		
3GUF88							
Item 3	Pos	KM	Neg	PSA	Neg	RSID	Human Origin, Pos Power Quant
Item 4	Pos	KM	Neg	PSA	Neg	RSID	Human Origin, Pos Power Quant
3MXLMA							
Item 3	Pos	KM	NT		NT		
Item 4	Pos	KM	NT		NT		
3T2GEW							
Item 3	Pos	O-tol	NT		NT		
Item 4	Pos	O-tol	NT		NT		
3XZW2C							
Item 3	Pos	KM	NT		NT		
Item 4	Pos	KM	NT		NT		
3YQ62F							
Item 3	Pos	KM and HemaTrace	Neg	AP	Neg	RSID	
Item 4	Pos	KM and HemaTrace	Neg	AP	Neg	RSID	
3YUKF2							
Item 3	Pos	KM	NT		NT		
Item 4	Pos	KM	NT		NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
4AE24F					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
4D94UM					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	
4FZUFE					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
4JCFQE					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
4NRM78					
Item 3	Pos	Hemastix, HemaTrace	NT	NT	
Item 4	Pos	Hemastix, HemaTrace	NT	NT	
4NTATC					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
4VMGDD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
4WG4R3					
Item 3	Pos	KM, TMB	Neg AP, Micro, PSA	Neg	RSID
Item 4	Pos	KM, TMB	Neg AP, Micro, PSA	Neg	RSID
4XVRBF					
Item 3	Pos	TMB	NT	NT	
Item 4	Pos	TMB	NT	NT	
68UTY7					
Item 3	Pos	Hemastix, RSID	Neg AP	NT	
Item 4	Pos	Hemastix, RSID	Neg AP	NT	
697KXE					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
6EW464					
Item 3	Pos	KM, HemDirect	NT	NT	
Item 4	Pos	KM, HemDirect	NT	NT	



TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
6EXRR9						
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM., HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
6FADHB						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
6J4NWG						
Item 3	Pos	RSID	Neg	RSID	Neg	RSID
Item 4	Pos	RSID	Neg	RSID	Neg	RSID
6MMHYA						
Item 3	Pos	HemaTrace	NT		NT	
Item 4	Pos	HemaTrace	NT		NT	
6PPLK4						
Item 3	Pos	KM, HemaTrace	NT		NT	
Item 4	Pos	KM, HemaTrace	NT		NT	
6RJA4Z						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
6RZGB3						
Item 3	Pos	O-tol	Neg	AP	NT	
Item 4	Pos	O-tol	Neg	AP	NT	
6UPFXD						
Item 3	Pos	KM	Neg	p30		
Item 4	Pos	KM	Neg	p30		
6WPZ9Q						
Item 3	Pos	KM, HemaTrace	NT		Neg	Saligae
Item 4	Pos	KM, HemaTrace	Neg	ALS, AP, PSA, Micro	NT	
6XRNWV						
Item 3	Pos	LMG	Neg	AP	Neg	RSID Saliva
Item 4	Pos	LMG	Neg	AP	Neg	RSID Saliva
74C2HF						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
7888Z8						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
792RBQ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
7AVFR2					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
7AW4E7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
7BEWPG					
Item 3	Pos	TMB	Neg ALS, AP	NT	
Item 4	Pos	TMB	Neg ALS, AP	NT	
7EFWZK					
Item 3	Pos	KM, HemDirect	Neg PSA	NT	
Item 4	Pos	KM, HemDirect	Neg PSA	NT	
7GEC43					
Item 3	Pos	LMG	Neg AP	Neg RSID Saliva	
Item 4	Pos	LMG	Neg AP	Neg RSID Saliva	
7JA2FW					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
7LUXWA					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA	NT	
7NJCHC					
Item 3	Pos	TMB, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos	TMB, HemaTrace	Neg AP	NT	
7RYTMW					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
7WBQ2B					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
7YVNHE					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
7ZTXGX	Item 3	Pos KM	NT	NT	
	Item 4	Pos KM	NT	NT	
822A8Z	Item 3	Pos pheno, HemaTrace	Neg ALS, AP	Neg phadebas	
	Item 4	Pos pheno, HemaTrace	Neg ALS, AP	Neg phadebas	
82KBWN	Item 3	Pos KM	NT	NT	
	Item 4	Pos KM	NT	NT	
83WWJ4	Item 3	Pos KM, HemaTrace	NT	NT	
	Item 4	Pos KM, HemaTrace	NT	NT	
8CMQJ8	Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
	Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
8DC2CL	Item 3	Pos KM, HemaTrace	Neg AP	NT	
	Item 4	Pos KM, HemaTrace	Neg AP	NT	
8E7JLA	Item 3	Pos KM	NT	NT	
	Item 4	Pos KM	NT	NT	
8F3C4E	Item 3	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID	
	Item 4	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID	
8M4FE7	Item 3	NT	Neg AP	NT	Y-Screening, Pos Promega Casework Direct Kit
	Item 4	NT	Neg AP	NT	Y-Screening, Pos Promega Casework Direct Kit
8M73X6	Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
	Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
8MF9Z9	Item 3	Pos KM	Neg AP, Micro	NT	
	Item 4	Pos KM	Neg AP, Micro	NT	
8PQYHP	Item 3	Pos KM, HemaTrace	NT	NT	
	Item 4	Pos KM, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
8TMR8D					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
8YCN6					
Item 3	Pos	LMG, HemaTrace	NT	Neg Amylase	
Item 4	Pos	LMG, HemaTrace	NT	Neg Amylase	
8YQMXZ					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
8YTCF4					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg RSID	
Item 4	Pos	KM	Neg ALS, AP, Micro	Neg RSID	
96FBM4					
Item 3	Pos	KM, Takayama	NT	Neg Phadebas	Human Origin, Pos PowerQuant
Item 4	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg RSID - Saliva	Human Origin, Pos PowerQuant, HemaTrace
9DQNDM					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
9FL2F8					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
9KRZK6					
Item 3	Pos	KM, HB	Neg AP	NT	Y-screening, Pos Promega Casework Direct
Item 4	Pos	KM, HB	Neg AP	NT	Y-screening, Pos Promega Casework Direct
9L92M8					
Item 3	Pos	KM, HemaTrace	NT	Neg RSID-Saliva	
Item 4	Pos	KM, HemaTrace	NT	Neg RSID-Saliva	
9LMMYU					
Item 3	Pos	Phenolphthalein	Neg ALS, BCIP, p30, Micro (Sperm HyLiter)	Neg Phadebas	
Item 4	Pos	Phenolphthalein	Neg ALS, BCIP, p30, Micro (Sperm HyLiter)	Neg Phadebas	
9TJEEB					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
9UD3TZ					
Item 3	Pos KM		Neg AP	NT	
Item 4	Pos KM		Neg AP	NT	
9XDBXA					
Item 3	Pos HemaTrace, KM		Neg PSA, Microscopy	Neg RSID-Saliva	Male DNA, Pos Y-Screening
Item 4	Pos HemaTrace, KM		Neg PSA, Microscopy	Neg RSID-Saliva	Male DNA, Pos Y-Screening
A3AB2B					
Item 3	Pos KM ABACard		NT	NT	
Item 4	Pos KM ABACard		NT	NT	
A4ZLJH					
Item 3	Pos KM, HemaTrace		Neg AP, ALS	NT	
Item 4	Pos KM, HemaTrace		Neg AP, ALS	NT	
A8X4PX					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
ABFABY					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
AEU4XX					
Item 3	Pos KM, HemaTrace		NT	NT	
Item 4	Pos KM, HemaTrace		NT	NT	
AGK63L					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
AHLPJ9					
Item 3	Pos KM		NT	NT	Human origin, Pos PowerQuant
Item 4	Pos KM		NT	NT	Human origin, Pos PowerQuant
ALHJRW					
Item 3	Pos KM, TMB		NT	NT	
Item 4	Pos KM, TMB		NT	NT	
AQAWJC					
Item 3	Pos LMG, HemaTrace		NT	NT	
Item 4	Pos LMG, HemaTrace		NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
ARQRM8					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
AU7EPR					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
AV3HA9					
Item 3	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
AV83CW					
Item 3	Pos	O-tol, HemaTrace			
Item 4	Pos	O-tol			
AV8EYR					
Item 3	Pos	KM, HemaTrace	Neg AP, ALS	NT	
Item 4	Pos	KM, HemaTrace	Neg AP, ALS	NT	
AY8GX2					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
B2UD8Q					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
B39ZJD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BAHE8M					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BFD26G					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BGZLXE					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Neg ALS, AP	NT	
BJNK66					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
BL64M9					
Item 3	Pos	KM	NT	NT	Human origin, Pos PowerQuant
Item 4	Pos	KM	NT	NT	Human origin, Pos PowerQuant
BLCTWX					
Item 3	Pos	KM; HemaTrace	NT	NT	
Item 4	Pos	KM; HemaTrace	NT	NT	
BY3AE7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BY8M32					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
C2QBT6					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
C7FR4X					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
C964WB					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
CGXBEG					
Item 3	Pos	KM, HemaTrace	Neg	ALS, AP, p30, Micro	NT
Item 4	Pos	KM, HemaTrace	Neg	ALS, AP, p30, Micro	NT
CLCVWN					
Item 3	Pos	KM, HemDirect	Neg	AP, Micro	Neg
Item 4	Pos	KM, HemDirect	Neg	AP, Micro	Neg
CLUWLC					
Item 3	Pos	O-tol	Neg	AP	NT
Item 4	Pos	O-tol	Neg	AP	NT
CQ2QYU					
Item 3	Pos	O-tol, HemDirect Seratec Card	Neg	AP, PSA, Micro	Neg
					Alpha-Amylase Seratec Card
					Vomit, Urine, Feces, Neg Peptest, DMAC/Creatinine, Urobilinogen Test
Item 4	Pos	O-tol, HemDirect Seratec Card	Neg	AP, PSA, Micro	Neg
					Alpha-Amylase Seratec Card
					Vomit, Urine, Feces, Neg Peptest, DMAC/Creatinine, Urobilinogen Test

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
CRE2A7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
CUJNTC					
Item 3	Pos	KM			
Item 4	Pos	KM			
CVG6V2					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
CVWDZV					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
CZFCPB					
Item 3	Pos	PT, HemaTrace	Neg AP		
Item 4	Pos	PT, HemaTrace	Neg AP		
CZLZMN					
Item 3	Pos	O-tol, HemaTrace Card	Neg AP, ALS	Neg Seratec Amylase card	
Item 4	Pos	O-tol, HemaTrace Card	Neg AP, ALS	Neg Seratec Amylase card	
D32CE4					
Item 3	Pos	KM; ABACard HemaTrace	NT	NT	
Item 4	Pos	KM; ABACard HemaTrace	NT	NT	
D43GKY					
Item 3	Pos	LMG			
Item 4	Pos	LMG			
DAUN38					
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
DFR2EA					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
DJ368K					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
DM2UYR					
Item 3	Pos	PTMB	NT	NT	Human Origin, Pos Ring precipitin
Item 4	Pos	PTMB	NT	NT	Human Origin, Pos Ring precipitin
DM7Y7P					
Item 3	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
Item 4	Pos	KM	Neg AP, Micro, PSA	Neg Amylase Radial Diffusion	
DPQUL3					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
DT9E7W					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
DTDGHA					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
E39LNW					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
E6WKTZ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
E7A6R2					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
E9ZGLE					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
EDMA8F					
Item 3	Pos	KM	Neg AP, Micro, PSA	NT	
Item 4	Pos	KM	Neg AP, Micro, PSA	NT	
EF3CTF					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quantifiler Trio
Item 4	Pos	KM	Neg ALS, AP, Micro	Neg Phadebas	Human DNA detected, Pos Quantifiler Trio

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
EL4EAV						
Item 3	Pos	LMG	NT	NT		
Item 4	Pos	LMG	NT	NT		
ET3DQP						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
ETMQUU						
Item 3	Pos	KM, RSID Blood	NT	Neg	Phadebas	
Item 4	Pos	KM, RSID Blood	NT	Neg	Phadebas	
EU33N7						
Item 3	Pos	KM	NT	NT	Human Origin, Pos PowerQuant	
Item 4	Pos	KM	NT	NT	Human Origin, Pos PowerQuant	
EV9MA8						
Item 3	Pos	KM, HemaTrace				
Item 4	Pos	KM, HemaTrace				
EVUBEN						
Item 3	Pos	KM, HemaTrace	Neg	AP, ALS	NT	
Item 4	Pos	KM, HemaTrace	Neg	AP, ALS	NT	
EXY472						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
EYW6GY						
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
EYX6ED						
Item 3	Pos	Phenolphthalein	NT	NT		
Item 4	Pos	Phenolphthalein	NT	NT		
EZLGXR						
Item 3	Pos	KM	NT	NT		
Item 4	Pos	KM	NT	NT		
FB8WV6						
Item 3	Pos	KM	NT	NT	Human Blood, Pos ABAcad HemaTrace	
Item 4	Pos	KM	NT	NT	Human Blood, Pos ABAcad HemaTrace	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
FD9276					
Item 3	<b>Pos</b>	Hemastix, HemaTrace	<b>Neg</b> AP, p30, Microscopic	<b>Neg</b> RSID Saliva	
Item 4	<b>Pos</b>	Hemastix, HemaTrace	<b>Neg</b> AP, p30, Microscopic	<b>NT</b>	
FHZAGD					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
FPENY4					
Item 3	<b>Pos</b>	LMG	<b>NT</b>	<b>NT</b>	<b>Human Hb+, Pos</b> HemaTrace Card
Item 4	<b>Pos</b>	LMG	<b>NT</b>	<b>NT</b>	<b>Human Hb+, Pos</b> HemaTrace Card
FQE6A2					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
FTEZV4					
Item 3	<b>Pos</b>	LMG	<b>Neg</b> PSA, Micro	<b>NT</b>	
Item 4	<b>Pos</b>	LMG	<b>Neg</b> PSA, Micro	<b>NT</b>	
FUWFBC					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
FXEMQY					
Item 3	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
FY8BDZ					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
FYQAJJ					
Item 3	<b>Pos</b>	LMG	<b>Neg</b> AP, ALS	<b>NT</b>	
Item 4	<b>Pos</b>	LMG	<b>Neg</b> AP, ALS	<b>NT</b>	
FYTYQ2					
Item 3	<b>Pos</b>	KM, HemDirect	<b>Neg</b> AP, PSA	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemDirect	<b>Neg</b> AP, PSA	<b>NT</b>	
FZWVPX					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, Micro	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, Micro	<b>NT</b>	
G282UY					
Item 3	<b>Pos</b>	KM, RSID	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, RSID	<b>NT</b>	<b>NT</b>	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
G33LJK					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP		NT
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP		NT
G3G7VG					
Item 3	<b>Pos</b>	O-tol, Seratec Blood card	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b> ALS, Seratec Amylase card	
Item 4	<b>Pos</b>	O-tol, Seratec Blood card	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b> ALS, Seratec Amylase card	
G669TW					
Item 3	<b>Pos</b>	PTMB, ABA HemaTrace	<b>NT</b>		NT
Item 4	<b>Pos</b>	PTMB, ABA HemaTrace	<b>NT</b>		NT
G6RZ23					
Item 3	<b>Pos</b>	LMG, Bluestar Obti	<b>Neg</b> PSA, AP	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b>	LMG, Bluestar Obti	<b>Neg</b> PSA, AP	<b>Neg</b> Phadebas	
G9UT3T					
Item 3	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> ALS, AP		NT
Item 4	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> ALS, AP		NT
GBXJGU					
Item 3	<b>Pos</b>	KM	<b>NT</b>		NT
Item 4	<b>Pos</b>	KM	<b>NT</b>		NT
GCXEAC					
Item 3	<b>Pos</b>	KM	<b>NT</b>		NT
Item 4	<b>Pos</b>	KM	<b>NT</b>		NT
GG9H3L					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP		NT
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP		NT
GGJL8X					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>		NT
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>		NT
GMUK4A					
Item 3	<b>Pos</b>	KM	<b>NT</b>		NT
Item 4	<b>Pos</b>	KM	<b>NT</b>		NT
GTERB4					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> PSA	<b>Neg</b> RSID	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> PSA	<b>Neg</b> RSID	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
GYHVYG					
Item 3	Pos	O-tol /HemDirect/ALS	Neg AP/Micro/PSA/ALS	Neg ALS/immunochromatogrAphic card	
Item 4	Pos	O-tol /HemDirect/ALS	Neg AP/Micro/PSA/ALS	Neg ALS/immunochromatogrAphic card	
GYKJK2					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
H328T6					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
H894CZ					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
H8PPVV					
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
H94CBN					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
HATM3G					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
HDZYBG					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
HJ7HFN					
Item 3	Pos	KM	Neg BCIP	NT	
Item 4	Pos	KM	Neg BCIP	NT	
HLL7J8					
Item 3	Pos	KM	Neg AP and Microscopy	Inc Phadebas	
Item 4	Pos	KM	Neg AP and Microscopy	Inc Phadebas	
HNB3ZU					
Item 3	Pos	RSID-Blood	Neg RSID-Semen	Neg RSID-Saliva	
Item 4	Pos	RSID-Blood	Neg RSID-Semen	Neg RSID-Saliva	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
<b>HNHGU3</b>					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
<b>HQ9RMG</b>					
Item 3	<b>Pos</b>	KM, Hemdirect	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, Hemdirect	<b>NT</b>	<b>NT</b>	
<b>HRL2X3</b>					
Item 3	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
<b>HYZYNU</b>					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> Phadebas	
<b>J3XTWW</b>					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
<b>J4EV3H</b>					
Item 3	<b>Pos</b>	LMG	<b>NT</b>	<b>NT</b>	<b>Human Blood, Pos</b> RSID
Item 4	<b>Pos</b>	LMG	<b>NT</b>	<b>NT</b>	<b>Human Blood, Pos</b> RSID
<b>J8TTYX</b>					
Item 3	<b>Pos</b>	HemaTrace, Hemident	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	HemaTrace, Hemident	<b>NT</b>	<b>NT</b>	
<b>J93K8E</b>					
Item 3	<b>Pos</b>	KM, HemDirect	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemDirect	<b>Neg</b> AP	<b>NT</b>	
<b>JB68GR</b>					
Item 3	<b>Pos</b>	RSID			
Item 4	<b>Pos</b>	RSID			
<b>JBLQEN</b>					
Item 3	<b>Pos</b>	O-tol, HemaTrace	<b>NT</b>	<b>Neg</b> RSID	
Item 4	<b>Pos</b>	O-tol, HemaTrace	<b>NT</b>	<b>Neg</b> RSID	
<b>JCHDZT</b>					
Item 3	<b>Pos</b>	KM, HemDirect	<b>Neg</b> ALS, AP, Micro, PSA	<b>NT</b>	<b>Y-Screening, Pos</b> Promega Casework Direct Kit, Custom
Item 4	<b>Pos</b>	KM, HemDirect	<b>Neg</b> ALS, AP	<b>NT</b>	<b>Y-Screening, Pos</b> Promega Casework Direct Kit, Custom

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
JDB6X8					
Item 3	<b>Pos</b>	KM	<b>Neg</b> AP, Micro	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b>	KM	<b>Neg</b> AP, Micro	<b>Neg</b> Phadebas	
JL9Y7Q					
Item 3	<b>Pos</b>	color, PPTH, O-tol	<b>Neg</b> AP Spot	<b>NT</b>	
Item 4	<b>Pos</b>	color, PPTH, O-tol	<b>Neg</b> AP Spot	<b>NT</b>	
JMZWEX					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
JR2RFY					
Item 3	<b>Pos</b>	Visual, KM and HemaTrace ABACard	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	Visual, KM and HemaTrace ABACard	<b>NT</b>	<b>NT</b>	
JRZ2EW					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
JTPC8B					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
JYDUPT					
Item 3	<b>Pos</b>	KM	<b>Neg</b> AP, Micro	<b>Neg</b> RSID	
Item 4	<b>Pos</b>	KM	<b>Neg</b> AP, Micro	<b>Neg</b> RSID	
KBMYAU					
Item 3	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	LMG, HemaTrace	<b>Neg</b> AP	<b>NT</b>	
KDRKQE					
Item 3	<b>Pos</b>	O-tol, HemDirect	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b> SERATEC	
Item 4	<b>Pos</b>	O-tol, HemDirect	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b> SERATEC	
KGQLKP					
Item 3	<b>Pos</b>	LMG, [alpha]-HuHb	<b>NT</b>	<b>Neg</b> Amylase	
Item 4	<b>Pos</b>	LMG, [alpha]-HuHb	<b>NT</b>	<b>Neg</b> Amylase	
KGW3F9					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
KUE2UB					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
KUUKD9					
Item 3	Pos	KM	Neg AP; Micro	NT	
Item 4	Pos	KM	Neg AP; Micro	NT	
KZJT6U					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KZQXRW					
Item 3	Pos	KM, HemDirect	Neg AP, PSA	NT	
Item 4	Pos	KM, HemDirect	Neg AP, PSA	NT	
L2V67W					
Item 3	Pos	KM	NT	NT	Human, Pos PowerQuant
Item 4	Pos	KM	NT	NT	Human, Pos PowerQuant
L6AP7P					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
L9D69N					
Item 3	Pos	ppth, O-tol, color	Neg AP	NT	
Item 4	Pos	ppth, O-tol, color	Neg AP	NT	
LCVNTH					
Item 3	Pos	KM	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM	Neg AP, PSA, Micro	NT	
LEFKAV					
Item 3	Pos	PTN	NT	NT	
Item 4	Pos	PTN	NT	NT	
LGLYNN					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
LGMP3J					
Item 3	Pos	O-tol, HemaTrace	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	
LWCYG9					
Item 3	Pos	KM, HemaTrace	Neg AP, ALS	NT	
Item 4	Pos	KM, HemaTrace	Neg AP, ALS	NT	
M2BJFQ					
Item 3	Pos	KM, HemaTrace	NT	Neg RSID	
Item 4	Pos	KM, HemaTrace	NT	Neg RSID	



TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
MH2J9C						
Item 3	Pos	KM, HT Card	Neg	ALS, AP, PSA, Micro	Neg	Phadebas, ALS
Item 4	Pos	KM, HT Card	Neg	ALS, AP, PSA, Micro	Neg	Phadebas, ALS
MRXBCP						
Item 3	Pos	ABA Card HemaTrace	Neg	ABA Card p30	NT	Microscopic, Neg Tincion Christmas Tree
Item 4	Pos	ABA Card HemaTrace	Neg	ABA Card p30	NT	Microscopic, Neg Tincion Christmas Tree
MWEVYJ						
Item 3	Pos	Phenolphthalein	NT		NT	
Item 4	Pos	Phenolphthalein	NT		NT	
MWJ8KU						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
MZJFU						
Item 3	Pos	KM, O-tol	NT		NT	
Item 4	Pos	KM, O-tol	NT		NT	
N27G8X						
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT	
N2AWV6						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
N2NJML						
Item 3	Pos	O-tol	NT		NT	
Item 4	Pos	O-tol	NT		NT	
N3J7KV						
Item 3	Pos	TMB, HemaTrace	Neg	AP, PSA	Neg	RSID
Item 4	Pos	TMB, HemaTrace	Neg	AP, PSA	NT	
N64WLM						
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
N8RC6V						
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg	AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
NDXCYX					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
NETN3D					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos	KM, HemaTrace	Neg ALS, AP	NT	
NFY8R9					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
NJLTUW					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
NM9EKY					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
NNYP8K					
Item 3	Pos	KM	NT	Neg Phadebas Paper Test	
Item 4	Pos	KM	NT	Neg Phadebas Paper Test	
NPTELZ					
Item 3	Pos	HemDirect	NT	NT	
Item 4	Pos	HemDirect	NT	NT	
NU3KDZ					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
NVVLPG					
Item 3	Pos	O-tol, Seratec HemDirect	Neg AP, Seratec PSA	Neg Seratec Amylase	Species Cross-over, Pos Human Protein
Item 4	Pos	O-tol, Seratec HemDirect	Neg AP, Seratec PSA	Neg Seratec Amylase	Species Cross-over, Pos Human Protein
P2E32R					
Item 3	Pos	KM	Neg AP, PSA	NT	
Item 4	Pos	KM	Neg AP, PSA	NT	
P3APFG					
Item 3	Pos	TMB, KM	NT	NT	
Item 4	Pos	TMB, KM	NT	NT	
P6GD8M					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
P86LYF					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
PGC34T					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
PMXCYJ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
PUVYUP					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP, p30, Micro	Neg Micro, Amylase Radial Diffusion	
Item 4	Pos	KM, HemaTrace	Neg ALS, AP, p30, Micro	Neg Micro, Amylase Radial Diffusion	
PYEUXG					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
Q7DNJM					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
Q8KBRK					
Item 3	Pos	KM, Takayama, HemaTrace	NT	NT	Human, Pos Power Quant, HemaTrace
Item 4	Pos	KM, Takayama, HemaTrace	NT	NT	Human, Pos Power Quant, HemaTrace
QDCAPN					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
QE8W4D					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
QNA7JP					
Item 3	Pos	KM	Neg AP, Micro for Sperm	NT	
Item 4	Pos	KM	Neg AP, Micro for Sperm	NT	
QUK9UL					
Item 3	Pos	TMB, HemaTrace	NT	NT	
Item 4	Pos	TMB, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
QXYZPK					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg	RSID
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg	RSID
QZPZ64					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
R4MVG P					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
R9GTPT					
Item 3	Pos	TMB, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos	TMB, HemaTrace	Neg AP	NT	
RAKV3X					
Item 3	Pos	KM	Neg AP, Micro	Neg	Phadebas
Item 4	Pos	KM	Neg AP, Micro	Neg	Phadebas
RBX6EJ					
Item 3	Pos	KM, ABACard HemaTrace	NT	NT	
Item 4	Pos	KM, ABACard HemaTrace	NT	NT	
RGA6RN					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
RHZFL3					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
RK62Z2					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
RMV67F					
Item 3	Pos	KM, O-tol, RSID-Blood	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
RPF2LT					
Item 3	Pos	KM, HT	NT	NT	
Item 4	Pos	KM, HT	NT	NT	
RT69BW					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
RV82BL					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
RW3MXL					
Item 3	Pos	Hemastix, HemaTrace	Neg Acid Phosphatase	NT	
Item 4	Pos	Hemastix, HemaTrace	Neg Acid Phosphatase		
T2V4VX					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
T34LLG					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
T369AL					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
T3XRNM					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
T3Y77U					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
T8RYE4					
Item 3	Pos	RSID, THEVENON ROLAND PIRAMIDON	Neg Micro, RSID	Neg RSID	
Item 4	Pos	RSID, THEVENON ROLAND PIRAMIDON	Neg Micro, RSID	Neg RSID	
TDZJDM					
Item 3	Pos	KM			
Item 4	Pos	KM			
TEV8RC					
Item 3	Pos	Phenolphthalein	NT	NT	
Item 4	Pos	Phenolphthalein	NT	NT	
TMQ2YH					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
TPQECA					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
TQPFM8					
Item 3	Pos LMG		Neg AP	Neg RSID - Saliva	
Item 4	Pos LMG		Neg AP	Neg RSID - Saliva	
TUTANW					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
U26T89					
Item 3	Pos LMG		NT	NT	
Item 4	Pos LMG		NT	NT	
U3LRK7					
Item 3	Pos KM, HemaTrace		Neg AP	NT	
Item 4	Pos KM, HemaTrace		Neg AP	NT	
U3ZDWT					
Item 3	Pos KM, HemaTrace		NT	NT	
Item 4	Pos KM, HemaTrace		NT	NT	
U4PNNL					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
U9ZTBF					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
UDM2AU					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
UEHRDM					
Item 3	Pos KM, HemaTrace		NT	NT	
Item 4	Pos KM, HemaTrace		NT	NT	
UFP9DT					
Item 3	Pos O-tol		Neg AP	NT	
Item 4	Pos O-tol		Neg AP	NT	
UJPD7Q					
Item 3	Pos KM, ABA		NT	NT	
Item 4	Pos KM, ABA		NT	NT	
ULT2JH					
Item 3	Pos KM, Takayama, HemaTrace	Neg AP		Neg RSID-Saliva	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos KM, Takayama, HemaTrace	Neg AP		Neg RSID-Saliva	Human Origin, Pos HemaTrace, PowerQuant

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
UMNQJ6					
Item 3	Pos	LMG	Neg AP	Neg	RSID-Saliva
Item 4	Pos	LMG	Neg AP	Neg	RSID-Saliva
UNEYKU					
Item 3	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg	RSID-Saliva
Item 4	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg	RSID-Saliva
UUN7CJ					
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
UXFMCQ					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Neg ALS, AP	NT	
UZDJFT					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
V7DH4M					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
V9MD7R					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
VE6TG4					
Item 3	Pos	KM, HemDirect	Neg ALS	NT	
Item 4	Pos	KM, HemDirect	Neg ALS	NT	
VM4HX8					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
VNCYDL					
Item 3	Pos	Hemastix, HemaTrace	NT	NT	
Item 4	Pos	Hemastix, HemaTrace	NT	NT	
VNHPJP					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
VNX4QY					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
VNYWN8					
Item 3	Pos KM		Neg AP, Micro, p30	Neg Radial Diffusion plate	
Item 4	Pos KM		Neg AP, Micro, p30	Neg Radial Diffusion plate	
VU3VB3					
Item 3	Pos LMG		NT	NT	
Item 4	Pos LMG		NT	NT	
VWUXRD					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
VWTWGQ					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
WG9T9N					
Item 3	Pos KM, HemaTrace		Neg AP, Micro	Neg Phadebas	Y-Screening, Pos Quantifiler Trio
Item 4	Pos KM, HemaTrace		Neg AP, Micro	Neg Phadebas	Y-Screening, Pos Quantifiler Trio
WJNX7Y					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
WMXL9U					
Item 3	Pos Hemident, HemaTrace		NT	NT	
Item 4	Pos Hemident, HemaTrace		NT	NT	
WNCYMQ					
Item 3	Pos KM, HemaTrace				
Item 4	Pos KM, HemaTrace				
WQYA4J					
Item 3	Pos KM		NT	NT	
Item 4	Pos KM		NT	NT	
WTFUED					
Item 3	Pos Hemophan, FOB Test		NT	NT	
Item 4	Pos Hemophan, FOB Test		NT	NT	
WUGUQY					
Item 3	Pos KM, HemaTrace		Neg AP	NT	
Item 4	Pos KM, HemaTrace		Neg AP	NT	
WDDWW2					
Item 3	Pos LMG		NT	NT	
Item 4	Pos LMG		NT	NT	



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
WVLF8K					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Neg ALS, AP	NT	
WXJMPX					
Item 3	Pos	TMB, HemaTrace	Neg AP, PSA, Micro	Neg	RSID
Item 4	Pos	TMB, HemaTrace	Neg AP	NT	
WXLAE4					
Item 3	Pos	LMG	Neg AP	NT	
Item 4	Pos	LMG	Neg AP	NT	
X2UVF9					
Item 3	Pos	KM, TMB	NT	NT	
Item 4	Pos	KM, TMB	NT	NT	
X6777G					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
X82KXF					
Item 3	Pos	PTMB	NT	NT	
Item 4	Pos	PTMB	NT	NT	
X96H3G					
Item 3	Pos	ABACard HemaTrace			
Item 4	Pos	ABACard HemaTrace			
XANCTJ					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
XET8K7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
XGVQ2T					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
XKMZ2F					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
XN9NUT					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
XP2NLC					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
XQF43K					
Item 3	Pos	Hemident, HemaTrace	NT	NT	
Item 4	Pos	Hemident, HemaTrace	NT	NT	
XXB63B					
Item 3	Pos	red-brown color, ppth, O-tol	Neg AP	NT	
Item 4	Pos	red-brown color, ppth, O-tol	Neg AP	NT	
XZ26JU					
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
XZUQQK					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
YDL7C7					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
YEBG6K					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
YREUCJ					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
YRY8NH					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
YTYACT					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
YUAMHH				
Item 3	<b>Pos</b> KM-Hemophan (pAPer test for Blood erythrocytes, haemoglobin) by Erba-Lachema, FOB - cassette test for determination of faecal occult Blood by NADAL	<b>Neg</b> AP-Phosphatesmo (pAPer test for the determination of acid phosphatase) by Macherey-Nagel	<b>Neg</b> RSID-Saliva	
Item 4	<b>Pos</b> KM-Hemophan (pAPer test for Blood erythrocytes, haemoglobin) by Erba-Lachema, FOB - cassette test for determination of faecal occult Blood by NADAL	<b>Neg</b> AP-Phosphatesmo (pAPer test for the determination of acid phosphatase) by Macherey-Nagel	<b>Neg</b> RSID-Saliva	
ZA2BKK				
Item 3	<b>Pos</b> TMB, HemaTrace	<b>Neg</b> AP	<b>Neg</b> RSID	
Item 4	<b>Pos</b> TMB, HemaTrace	<b>Neg</b> AP, PSA	<b>Neg</b> RSID	
ZAK8VL				
Item 3	<b>Pos</b> LMG, HemaTrace	<b>Neg</b> AP	NT	
Item 4	<b>Pos</b> LMG, HemaTrace	<b>Neg</b> AP	NT	
ZDZWYV				
Item 3	<b>Pos</b> KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b> KM, HemaTrace	NT	NT	
ZEBUCD				
Item 3	<b>Pos</b> KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b> KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
ZFPBGD				
Item 3	<b>Pos</b> KM, Hema	NT	NT	
Item 4	<b>Pos</b> KM, Hema	NT	NT	
ZGFTLF				
Item 3	<b>Pos</b> KM	NT	NT	
Item 4	<b>Pos</b> KM	NT	NT	
ZK4Y4W				
Item 3	<b>Pos</b> TMB, HemaTrace	<b>Neg</b> ALS, AP	NT	
Item 4	<b>Pos</b> TMB, HemaTrace	<b>Neg</b> ALS, AP	NT	
ZKMETJ				
Item 3	<b>Pos</b> KM and HemaTrace	NT	NT	
Item 4	<b>Pos</b> KM and HemaTrace	NT	NT	
ZMZLJD				
Item 3	<b>Pos</b> HemaTrace	NT	NT	
Item 4	<b>Pos</b> HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
ZTRT3L				
Item 3	Pos HemaTrace	Neg RSID	Neg RSID	
Item 4	Pos HemaTrace	Neg RSID	Neg RSID	
ZWGYZP				
Item 3	Pos Hemident, HemaTrace	NT	NT	
Item 4	Pos Hemident, HemaTrace	NT	NT	

Table 1: Serology Screening Response Summary				Item 3	Participants: 345
ITEM 3:	Blood	Semen	Saliva		
Positive	<b>343</b>	<b>0</b>	<b>0</b>		
Negative	<b>0</b>	<b>141</b>	<b>68</b>		
Inconclusive	<b>0</b>	<b>0</b>	<b>1</b>		
Not Tested (NT)	<b>2</b>	<b>196</b>	<b>265</b>		
Not Reported	<b>0</b>	<b>8</b>	<b>11</b>		

Table 1: Serology Screening Response Summary				Item 4	Participants: 345
ITEM 4:	Blood	Semen	Saliva		
Positive	<b>343</b>	<b>0</b>	<b>0</b>		
Negative	<b>0</b>	<b>143</b>	<b>62</b>		
Inconclusive	<b>0</b>	<b>0</b>	<b>1</b>		
Not Tested (NT)	<b>2</b>	<b>194</b>	<b>270</b>		
Not Reported	<b>0</b>	<b>8</b>	<b>12</b>		

# 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

248XTH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
<hr/>						
29Y9VT	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
<hr/>						
2E97P8	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
<hr/>						
2HB3E3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
<hr/>						
2PE4TN	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
<hr/>						
2TCVJM	GlobalFiler™ Express (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

2TNTVD	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
2TULR8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
2VB7C2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
32WEGR	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
38KYB8	PowerPlex®					
	16,16.3	16,22	10,13	16,17		
1		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
38MVTH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
39C7GP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

3ARJAT	Investigator® 24plex GO!					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
3DP3WY	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
3DQQJ6	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
3GUDNU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
3GUF88	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
3MXLMA	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
3T2GEW	Identifiler®, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

3YQ62F	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
3YUKF2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4AE24F	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4D94UM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4FZUFE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4JCFQE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
4NRM78	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

4NTATC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4VMGDD	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
4WG4R3	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
4XVRBF	PowerPlex® PP21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
68UTY7	PowerPlex® Fusion (eDNA)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
68YABC	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
697KXE	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

6EW464	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
6EXRR9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
6FADHB	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
6J4NWG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
6MMHYA	Investigator® 24plex GO					
	16,16.3	16,22	10,13	16,17	11,11	N/A
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	
6PPLK4	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
6RJA4Z	Identifiler® Direct					
	-	16,22	-	16,17	11	-
1	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	

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

6RZGB3	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
6UPFXD	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
6WPZ9Q	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
6XRNVW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
74C2HF	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
7888Z8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
792RBQ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

7AVFR2	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
7AW4E7	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
7BEWPG	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
7EFWZK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7GEC43	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7JA2FW	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7LUXWA	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

7LVJF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7NJCHC	PowerPlex® PP21					
	16,16.3	16,22		16,17	11	
1	8,11	13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19					
7RYTMW	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7UQQDG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7WBQ2B	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
7YVNHE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7ZTXGX	Identifiler® Direct					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

822A8Z	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
82KBWN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
83WWJ4	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
8CMQJ8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8DC2CL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8E7JLA	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
8F3C4E	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

8M4FE7	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
8M73X6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8MF9Z9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
8PQYHP	GlobalFiler™ (STRmix™)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8TMR8D	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
8YCNY6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	not tested
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	not tested	not tested	18,30.2	6,7	12,12
	18,19	10	not tested	not tested	2	
8YQMXZ	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

8YTCF4	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
96FBM4	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
9DQNDM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
9FL2F8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
9KRZK6	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
9TJEEB	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
9UD3TZ	Identifiler® Direct					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					



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

9XDBXA	PowerPlex® Fusion 5C, GlobalFiler™, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10			2	
A3AB2B	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
A4ZLJH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
A8X4PX	Identifiler® Direct					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
ABFABY	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
AEU4XX	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
AGK63L	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

AHLPJ9	Identifiler® Plus, MiniFiler					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
ALHJRW	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
AP48LA	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
ARQRM8	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
AU7EPR	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
AV3HA9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
AV83CW	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

AV8EYR	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
AY8GX2	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
B2UD8Q	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
B39ZJD	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
BAHE8M	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
BGZLXE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
BJNK66	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

BL64M9	Identifiler® Plus, MiniFiler					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
BLCTWX	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
BY3AE7	PowerPlex® Fusion 6 C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
BY8M32	GlobalFiler™ Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
C2QBT6	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
C7FR4X	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
C964WB	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

CGXBEG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
CLUWLC	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
CQ2QYU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
CRE2A7	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
CUJNTC	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
CVG6V2	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
CVWDZV	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	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

CZFCPB	PowerPlex® Fusion 6C						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19			
CZLZMN	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	10			2		
D32CE4	Identifiler® Plus (STRmix)						
			16,22		16,17	11,11	
	1	8,11	13,13			11,12	11,13
		13,17	13,15	29,31.2		X,Y	12,13
		19,23				6,7	12,12
	18,19						
D43GKY	PowerPlex® ES17 Fast						
		16,16.3	16,22	10,13	16,17		
	1		13,13	15,15	16,24		11,13
		13,17	13,15	29,31.2	15,15	X,Y	
		19,23			18,30.2	6,7	
	18,19						
DAUN38	PowerPlex® Fusion 5C, Fusion 6C						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19			
DFR2EA	PowerPlex® Fusion 6C Direct						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19			
DJ368K	GlobalFiler™ (STRmix)						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	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

DM2UYR	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
DM7Y7P	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
DPQUL3	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
DT9E7W	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
DTDGHA	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
E39LNW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
E6WKTZ	GlobalFiler™ (STRMix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

E7A6R2	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
E9ZGLE	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
EDMA8F	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
EF3CTF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EGWY86	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
EL4EAV	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
ET3DQP	Identifiler® Direct					
	-	16,22	-	16,17	11	-
1	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	



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

ETMQUU	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
EU33N7	Identifiler® Plus, MiniFiler					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
EV9MA8	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
EVUBEN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EXY472	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
EYW6GY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EYX6ED	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

EZLGXR	Identifiler® Direct					
	-	16,22	-	16,17	11	-
1	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
FB8WV6	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
FD9276	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
FHZAGD	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
FPENY4	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
FQE6A2	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
FTEZV4	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

FYQAJJ	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
FYTYQ2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
FZWVPX	GlobalFiler™ Express (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G282UY	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
G33LJK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G3G7VG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G6RZ23	PowerPlex® 17 Fast System					
	16,16.3	16,22	10,13	16,17		
1		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					

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

G9UT3T	GlobalFiler™ Express (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
GBXJGU	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
GCXEAC	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
GEGLDR	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
GG9H3L	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
GGJL8X	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
GMUK4A	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

GTERB4	PowerPlex® Fusion 6C, GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19	2	
GYHVG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
GYKJ2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
H328T6	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
H894CZ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
H8PPVW	PowerPlex® 6C, 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
H94CBN	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

HATM3G	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
HDZYBG	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
HJ7HFN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
HLL7J8	PowerPlex® ES17					
	16,16.3	16,22	10,13	16,17		
1		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
HNB3ZU	PowerPlex® Fusion6C (mRMP by Familias3)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
HND382	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
HNHGU3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

HQ9RMG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
HRL2X3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
HW8BTT	PowerPlex® Fusion 5C & 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
HYZYNU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J3XTWW	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
J4EV3H	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J6HVN2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

J8TTYX	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J93K8E	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
JB68GR	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
JBLQEN	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
JDB6X8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
JL9Y7Q	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
JMZWEX	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

JR2RFY	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
JR2EWW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
JTPC8B	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
JYDUPT	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
KDRKQE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
KGQLKP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KGW3F9	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

KPNQUY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
KUE2UB	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KUUKD9	GlobalFiler™, MiniFiler					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KZJT6U	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KZQXRW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
L2V67W	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
L6AP7P	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

L9D69N	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
LBHUCW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
LCVNTH	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
LEFKAV	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
LGLYNN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
LGMP3J	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
LWCYG9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

M2BJFQ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
MH2J9C	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
MRXBCP	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
MWEVYJ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
N27G8X	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
N2AWV6	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
N2NJML	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	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

N3J7KV	PowerPlex® PP21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
N64WLM	GlobalFiler™, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
N8RC6V	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
NDXCYX	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NETN3D	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
NFY8R9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
NJLTUW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

NLU4PZ	PowerPlex® Fusion 5C, Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NM9EKY	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NPTELZ	PowerPlex® 5C, 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NU3KDZ	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NWLPG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
P2E32R	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
P3APFG	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

P6GD8M	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
P86LYF	Identifiler® Direct					
	-	16,22	-	16,17	11	-
1	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
PGC34T	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
PM3F6G	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
PMXCYJ	Identifiler® Direct					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
PTBY7U	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
PUVYUP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

PYEUXG	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
Q7DNJM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
Q8KBRK	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
QDCAPN	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
QE8W4D	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QH9X7V	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QNA7JP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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

QUK9UL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QXYZPK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QZPZ64	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
R4MVGP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
R9GTPT	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
RAKV3X	GlobalFiler™ (TrueAllele)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RBX6EJ	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

RGA6RN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RHZFL3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RK62Z2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
RMV67F	PowerPlex® Fusion 6C, Fusion 6C Direct (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
RPF2LT	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
RV82BL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RW3MXL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

T2V4VX	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
T34LLG	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	NA
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	NA	NA	18,30.2	6,7	12
	18,19	10	NA	NA	2	
T369AL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
T3XRNM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
T3Y77U	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
T8RYE4	PowerPlex® Fusion, 21, ESX17 (GENEMAPPER)					
	16,16.3	16,22	10,13	16,17	11	12,13
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19					
TEV8RC	GlobalFiler™ Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

TMQ2YH	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
TPQECA	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
TQPFM8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
TUTANW	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
U26T89	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
U3LRK7	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
U3ZDWT	GlobalFiler™, GlobalFiler Express (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

U4PNNL	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
UDM2AU	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
UEHRDM	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
UFP9DT	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
UJPD7Q	Identifiler® Plus					
		16,22		16,17	11,11	
1	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
ULT2JH	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
UMNQJ6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

UNEYKU	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
UUN7CJ	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
UXFMCQ	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10				
UZDJFT	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
UZVR6M	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
V7DH4M	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
V9MD7R	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

VM4HX8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNCYDL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
VNHPJP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNX4QY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNYWN8	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
VU3VB3	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WUXRD	Identifiler® Direct					
		16,22		16,17	11	
1	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					

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

WWTWGQ	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
WG9T9N	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WJNX7Y	PowerPlex® Fusion 6C Direct					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
WMXL9U	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WNCYMQ	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
WQYA4J	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
WTFUED	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	16,16.3	16,22	10,13	16,17		
1		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					



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

WUGUQY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WVDWW2	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WVLF8K	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WXJMPX	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
WXLAE4	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
X2UVF9	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
X6777G	Investigator® 24plex GO					
	16,16.3	16,22	10,13	16,17	11,11	N/A
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	

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

X82KXF	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11,11	
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23			18,30.2	6,7	12,12
		18,19	10			2	
X96H3G	Investigator® 24plex GO!						
		16,16.3	16,22	10,13	16,17	11,11	n/a
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23	n/a	n/a	18,30.2	6,7	12,12
		18,19	10	n/a	n/a	n/a	
XANCTJ	PowerPlex® Fusion 6C						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12
		18,19	10	17	19		
XCR6TA	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
		18,19	10			2	
XET8K7	Identifiler® Direct						
			16,22		16,17	11,11	
	1	8,11	13,13			11,12	11,13
		13,17	13,15	29,31.2		X,Y	12,13
		19,23				6,7	12,12
		18,19					
XGVQ2T	PowerPlex® Fusion 6C Direct						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12
		18,19	10	17	19		
XKMZ2F	GlobalFiler™ (STRmix)						
		16,16.3	16,22	10,13	16,17	11,11	
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23			18,30.2	6,7	12,12
		18,19	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

XN9NUT	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	10			2		
XP2NLC	PowerPlex® F6C						
		16,16.3	16,22	10,13	16,17	11,11	
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19			
XQF43K	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	10			2		
XXB63B	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11,11	
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19			
XZ26JU	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	10			2		
XZUQQK	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11,11	
	1	8,11	13,13	15,15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15,15	X,Y	12,13
		19,23			18,30.2	6,7	12,12
	18,19	10			2		
YDL7C7	GlobalFiler™						
		16,16.3	16,22	10,13	16,17	11	
	1	8,11	13	15	16,24	11,12	11,13
		13,17	13,15	29,31.2	15	X,Y	12,13
		19,23			18,30.2	6,7	12
	18,19	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

YEBG6K	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
YREUCJ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YRY8NH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YTYACT	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
YUAMHH	GlobalFiler™ PCR Amplification Kit					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YWFRCC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
YZE38C	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

ZA2BKK	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
ZAK8VL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZDZWYV	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZEBUCD	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZFPBGD	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
ZGFTLF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZK4Y4W	Investigator® 24plex GO!					
	16,16.3	16,22	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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

ZKMETJ	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
1	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
ZMZLJD	Investigator® 24plex GO					
	16,16.3	16,22	10,13	16,17	11,11	N/A
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	
ZTRT3L	GlobalFiler™ Express					
	16,16.3	16,22	10,13	16,17	11,11	
1	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
ZWGYZP	GlobalFiler™					
	16,16.3	16,[22]	10,13	16,17	11	
1	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 2 - STR Results

248XTH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
29Y9VT	GlobalFiler™, Globalfiler Express (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2E97P8	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2HB3E3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2PE4TN	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
2TCVJM	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2TNTVD	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					

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

2TULR8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2VB7C2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
32WEGR	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
38KYB8	PowerPlex®					
	12,16.3	17,26	10,14	14,16		
2		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
38MVTH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
39C7GP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
3ARJAT	Investigator® 24plex GO!					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

3DP3WY	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
3DQQJ6	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
3GUDNU	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
3GUF88	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
3MXLMA	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
3T2GEW	Identifiler®, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				
3YQ62F	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

3YUKF2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4AE24F	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4D94UM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4FZUFE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4JCFQE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
4NRM78	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4NTATC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

4VMGDD	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
4WG4R3	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
4XVRBF	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
68UTY7	PowerPlex® Fusion (eDNA)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
68YABC	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
697KXE	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
6EW464	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

6EXRR9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
6FADHB	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
6J4NWG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
6MMHYA	Investigator® 24plex GO					
	12,16.3	17,26	10,14	14,16	12,12	N/A
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	
6PPLK4	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
6RJA4Z	Identifiler® Direct					
	-	17,26	-	14,16	12	-
2	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
6RZGB3	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					

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

6UPFXD	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
6WPZ9Q	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
6XRNVW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
74C2HF	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
7888Z8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
792RBQ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
7AVFR2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

7AW4E7	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
7BEWPG	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
7EFWZK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7GEC43	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7JA2FW	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7LUXWA	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
7LVLJF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

7NJCHC	PowerPlex® PP21					
	12,16.3	17,26		14,16	12	
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16					
7RYTMW	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7UQQDG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7WBQ2B	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
7YVNHE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7ZTXGX	Identifiler® Direct					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
822A8Z	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

82KBWN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
83WWJ4	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
8CMQJ8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
8DC2CL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
8E7JLA	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
8F3C4E	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
8M4FE7	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	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

8M73X6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
8MF9Z9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
8PQYHP	GlobalFiler™ Express (STRmix™)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
8TMR8D	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
8YCN6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	not tested
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	not tested	not tested	20,20	9.3,9.3	8,9
	14,16	11	not tested	not tested	2	
8YQMXZ	PowerPlex® Fusion6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
8YTCF4	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

96FBM4	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9.3	8,9
	14,16	11	17	19		
9DQNDM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9.3	8,9
	14,16	11			2	
9FL2F8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
9KRZK6	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
9TJEEB	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9.3	8,9
	14,16	11			2	
9UD3TZ	Identifiler® Direct					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
9XDBXA	PowerPlex® Fusion 5C, GlobalFiler™, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	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

A3AB2B	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
A4ZLJH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
A8X4PX	Identifiler® Direct					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
ABFABY	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
AEU4XX	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
AGK63L	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
AHLPJ9	Identifiler® Plus, MiniFiler					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					

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

ALHJRW	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
AP48LA	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
ARQRM8	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
AU7EPR	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
AV3HA9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
AV83CW	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
AV8EYR	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

AY8GX2	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
B2UD8Q	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
B39ZJD	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
BAHE8M	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
BGZLXE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
BJNK66	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
BL64M9	Identifiler® Plus, MiniFiler					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					

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

BLCTWX	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
BY3AE7	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
BY8M32	GlobalFiler™ Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
C2QBT6	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
C7FR4X	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
C964WB	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				
CGXBEG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

CLUWLC	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
CQ2QYU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
CRE2A7	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
CUJNTC	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
CVG6V2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
CVWDZV	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
CZFPCB	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

CZLZMN	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
	14,16	11			2		
D32CE4	Identifiler® Plus (STRmix)						
			17,26		14,16	12,12	
	2	10,11	12,14			8,13	11,12
		13,14	14,15.2	29,31.2		X,Y	10,12
		20,23				9.3,9.3	8,9
	14,16						
D43GKY	PowerPlex® ES17 Fast						
		12,16.3	17,26	10,14	14,16		
	2		12,14	13,14	17,23		11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	
		20,23			20,20	9.3,9.3	
	14,16						
DAUN38	PowerPlex® Fusion 5C, Fusion 6C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19			
DFR2EA	PowerPlex® Fusion 6C Direct						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19			
DJ368K	GlobalFiler™ Express (STRmix)						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
	14,16	11			2		
DM2UYR	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12,12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9.3,9.3	8,9
	14,16	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

DM7Y7P	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
DPQUL3	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
DT9E7W	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
DTDGHA	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
E39LNW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
E6WKTZ	GlobalFiler™ (STRMix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
E7A6R2	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

E9ZGLE	PowerPlex® Fusino 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
EDMA8F	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
EF3CTF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
EGWY86	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
EL4EAV	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
ET3DQP	Identifiler® Direct					
	-	17,26	-	14,16	12	-
2	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
ETMQUU	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

EU33N7	Identifiler® Plus, MiniFiler					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
EV9MA8	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
EVUBEN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
EXY472	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
EYW6GY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
EYX6ED	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
EZLGXR	Identifiler® Direct					
	-	17,26	-	14,16	12	-
2	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	

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

FB8WV6	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
FD9276	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
FHZAGD	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
FPENY4	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
FQE6A2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
FTEZV4	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
FYQAJJ	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

FYTYQ2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
FZWVPX	GlobalFiler™ Express (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G282UY	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
G33LJK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G3G7VG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G6RZ23	PowerPlex® 17 Fast System					
	12,16.3	17,26	10,14	14,16		
2		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
G9UT3T	GlobalFiler™ Express (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

GBXJGU	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
GCXEAC	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GEGLDR	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
GG9H3L	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
GGJL8X	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GMUK4A	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GTERB4	PowerPlex® Fusion 6C, GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19	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

GYHVG	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
GYKJ2	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12,12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9.3,9.3	8,9
		14,16	11			2	
H328T6	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
H894CZ	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12,12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9.3,9.3	8,9
		14,16	11			2	
H8PPVW	PowerPlex® 6C, 5C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
H94CBN	Identifiler® Plus						
			17,26		14,16	12,12	
	2	10,11	12,14			8,13	11,12
		13,14	14,15.2	29,31.2		X,Y	10,12
		20,23				9.3,9.3	8,9
		14,16					
HATM3G	PowerPlex® Fusion 5C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10		9.3	8,9
		14,16	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

HDZYBG	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
HJ7HFN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
HLL7J8	PowerPlex® ES17					
	12,16.3	17,26	10,14	14,16		
2		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
HNB3ZU	PowerPlex® Fusion6C (mRMP by Familias3)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
HND382	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
HNHGU3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
HQ9RMG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

HRL2X3	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
HW8BTT	PowerPlex® Fusion 5C & 6C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
HZYNU	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
J3XTWW	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
J4EV3H	GlobalFiler™ (STRmix)						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
J6HVN2	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
J8TTYX	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	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

J93K8E						
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
JB68GR	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
JBLQEN	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
JDB6X8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
JL9Y7Q	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
JMZWEX	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
JR2RFY	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					

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

JRZ2EW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
JTPC8B	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
JYDUPT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
KDRKQE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
KGQLKP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
KGW3F9	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
KPNQUY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

KUE2UB	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
KUUKD9	GlobalFiler™, MiniFiler					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
KZJT6U	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
KZQXRW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
L2V67W	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
L6AP7P	GlobalFiler™ (strmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
L9D69N	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		

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

LBHUCW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
LCVNTH	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
LEFKAV	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
LGLYNN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
LGMP3J	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
LWCYG9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
M2BJFQ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

MH2J9C	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
MRXBCP	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
MWEVYJ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
N27G8X	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
N2AWV6	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
N2NJML	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
N3J7KV	PowerPlex® PP21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					

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

N64WLM	GlobalFiler™, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
N8RC6V	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
NDXCYX	PowerPlex® Fusion6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NETN3D	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
NFY8R9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
NJLTUW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
NLU4PZ	PowerPlex® Fusion 5C, Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

NM9EKY	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NPTELZ	PowerPlex® 5C, 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NU3KDZ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NWLPG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
P2E32R	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
P3APFG	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
P6GD8M	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

P86LYF	Identifiler® Direct					
	-	17,26	-	14,16	12	-
2	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
PGC34T	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
PM3F6G	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
PMXCYJ	Identifiler® Direct					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
PTBY7U	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
PUVYUP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
PYEUXG	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					

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

Q7DNJM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
Q8KBRK	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
QDCAPN	PowerPlex® Fusion 5C, USION					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
QE8W4D	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QH9X7V	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QNA7JP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
QUK9UL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

QXYZPK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QZPZ64	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
R4MVGP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
R9GTPT	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
RAKV3X	GlobalFiler™ (TrueAllele)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
RBX6EJ	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
RGA6RN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

RHZFL3	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
RK62Z2	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12,12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9.3,9.3	8,9
		14,16	11			2	
RMV67F	PowerPlex® Fusion 6C, Fusion 6C Direct (STRmix)						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
RPF2LT	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9.3	8,9
		14,16	11	17	19		
RV82BL	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
RW3MXL	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20	9.3	8,9
		14,16	11			2	
T2V4VX	PowerPlex® Fusion 5C						
		12,16.3	17,26	10,14	14,16	12	
	2	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10		9.3	8,9
		14,16	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

T34LLG	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	NA
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	NA	NA	20	9.3	8,9
	14,16	11	NA	NA	2	
T369AL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
T3XRNM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
T3Y77U	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
T8RYE4	PowerPlex® Fusion, 21, ESX17 (GENEMAPPER)					
	12,16.3	17,26	10,14	14,16	12	15,18
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16					
TEV8RC	GlobalFiler™ Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
TMQ2YH	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

TPQECA	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
TQPFM8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
TUTANW	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
U26T89	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
U3LRK7	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
U3ZDWT	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
U4PNNL	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

UDM2AU	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
UEHRDM	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
UFP9DT	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
UJPD7Q	Identifiler® Plus					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
ULT2JH	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
UMNQJ6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
UNEYKU	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

UUN7CJ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9.3	8,9
	14,16	11	17	19		
UXFMCQ	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9.3	8,9
	14,16	11				
UZDJFT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
UZVR6M	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
V7DH4M	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
V9MD7R	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
VM4HX8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

VNCYDL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
VNHPJP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
VNX4QY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
VNYWN8	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
VU3VB3	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WUXRD	Identifiler® Direct					
		17,26		14,16	12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
WWTWGQ	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

WG9T9N	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WJNX7Y	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
WMXL9U	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WNCYMQ	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
WQYA4J	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
WTFUED	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	12,16.3	17,26	10,14	14,16		
2		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
WUGUQY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

WVDWW2	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WVLF8K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WXJMP	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
WXLAE4	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
X2UVF9	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
X6777G	Investigator® 24plex GO					
	12,16.3	17,26	10,14	14,16	12,12	N/A
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	
X82KXF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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

X96H3G	Investigator® 24plex GO!					
	12,16.3	17,26	10,14	14,16	12,12	n/a
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	n/a	n/a	20,20	9.3,9.3	8,9
	14,16	11	n/a	n/a	n/a	
XANCTJ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
XCR6TA	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
XET8K7	Identifiler® Direct					
		17,26		14,16	12,12	
2	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
XGVQ2T	PowerPlex® Fusion 6C Direct					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
XKMZ2F	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
XN9NUT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

XP2NLC	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
XQF43K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
XXB63B	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
XZ26JU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
XZUQQK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YDL7C7	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
YEBG6K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	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

YREUCJ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YRY8NH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YTYACT	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9,3	8,9
	14,16	11	17	19		
YUAMHH	GlobalFiler™ PCR Amplification Kit					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YWFRCC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
YZE38C	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
ZA2BKK	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9,3,9,3	8,9
	14,16					

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

ZAK8VL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZDZWYV	GlobalFiler™ Express (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZEBUCD	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZFPBGD	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
ZGFTLF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZK4Y4W	Investigator® 24plex GO!					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
ZKMETJ	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
2	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					

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

ZMZLJD	Investigator® 24plex GO					
	12,16.3	17,26	10,14	14,16	12,12	N/A
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	
ZTRT3L	GlobalFiler™ Express					
	12,16.3	17,26	10,14	14,16	12,12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
ZWGYZP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
2	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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

248XTH	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
29Y9VT	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
2HB3E3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
2PE4TN	PowerPlex® Fusion 6C (STRMIX)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	16,17	18,19		
2TCVJM	GlobalFiler™, MiniFiler (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
2TNTVD	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
2TULR8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

2VB7C2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
32WEGR	Identifiler®					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
38KYB8	PowerPlex®					
	16,16.3	16,22	10,13	16,17		
3		13,13	15,15	16,[23],24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
38MVTH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
39C7GP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
3ARJAT	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
3DP3WY	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

3DQQJ6	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,(12),13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
3GUDNU	GlobalFiler™, MiniFiler					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
3GUF88	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
3MXLMA	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
3T2GEW	Investigator® 24plex (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10				
3YQ62F	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
3YUKF2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

4AE24F	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4D94UM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4FZUFE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4JCFQE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
4NRM78	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4NTATC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4VMGDD	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

4WG4R3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
4XVRBF	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
68UTY7	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
68YABC	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
697KXE	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
6EW464	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
6EXRR9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

6FADHB	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
6J4NWG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
6MMHYA	Identifiler®, Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	N/A
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	
6PPLK4	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
6RJA4Z	Identifiler® Plus					
	-	16,22	-	16,17	11	-
3	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
6RZGB3	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
6UPFXD	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

6WPZ9Q	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
6XRNWV	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
74C2HF	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	9,10	17	18,19		
7888Z8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
792RBQ	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
7AVFR2	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16^,24^	11,12	11^,13
	13^,17^	13,15	29,31.2	15	X,Y	12,13
	19^,23^	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
7AW4E7	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

7BEWPG	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
7EFWZK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7GEC43	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7JA2FW	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7LUXWA	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
7LVLJF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7NJCHC	PowerPlex® PP21					
	16,16.3	16,22		16,17	11	
3	8,11	13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19					



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

7RYTMW	GlobalFiler™ (STRmix v 2.4.06)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7UQQDG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7WBQ2B	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
7YVNHE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
7ZTXGX	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
822A8Z	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
82KBWN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

83WWJ4	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
8CMQJ8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8DC2CL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8E7JLA	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
8F3C4E	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
8M4FE7	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
8M73X6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

8MF9Z9	GlobalFiler™ (STRmix 2.4)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
8PQYHP	GlobalFiler™ (STRmix™)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
8TMR8D	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
8YCNY6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	not tested
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	not tested	not tested	18,30.2	6,7	12,12
	18,19	10	not tested	not tested	2	
8YQMXZ	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
8YTCF4	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
96FBM4	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		

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

9DQNDM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
9FL2F8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
9KRZK6	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
9TJEEB	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
9UD3TZ	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
9XDBXA	PowerPlex® Fusion 5C, GlobalFiler™, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10			2	
A3AB2B	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

A4ZLJH	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
A8X4PX	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
ABFABY	PowerPlex® F6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
AEU4XX	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
AGK63L	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
AHLPJ9	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
ALHJRW	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

ARQRM8	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
AU7EPR	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
AV3HA9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
AV83CW	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
AV8EYR	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
AY8GX2	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
B2UD8Q	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

B39ZJD	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	16,17	18,19		
BAHE8M	PowerPlex® F6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
BFD26G	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
BGZLXE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
BJNK66	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
BL64M9	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
BLCTWX	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

BY3AE7	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
BY8M32	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
C2QBT6	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
C7FR4X	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
C964WB	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10				
CGXBEG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
CLUWLC	PowerPlex® Fusion 5C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	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 3 - STR Results

CQ2QYU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
CRE2A7	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
CUJNTC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
CVG6V2	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
CVWDZV	PowerPlex® Fusion					
	16,16.3	16,[22]	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,[13]	8,11		6,7	12
	18,19	10				
CZFCPB	PowerPlex® Fusion 6C (Lab Retriever)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
CZLZMN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

D32CE4	Identifiler® Plus (STRmix)					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
D43GKY	PowerPlex® ES17 Fast					
	16,16.3	16,22	10,13	16,17		
3		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
DAUN38	PowerPlex® Fusion 5C, Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
DFR2EA	PowerPlex® Fusion 6C (STRMix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
DJ368K	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
DM2UYR	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
DM7Y7P	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

DPQUL3	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
DT9E7W	PowerPlex® Fusion6C (STRMix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
DTDGHA	PowerPlex® Fusion 6C (STR mix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	16,17	18,19		
E39LNW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
E6WKTZ	GlobalFiler™ (STRMix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
E7A6R2	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
E9ZGLE	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

EDMA8F	GlobalFiler™ (STRmix 2.4)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
EF3CTF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EL4EAV	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
ET3DQP	Identifiler® Plus					
	-	16,22	-	16,17	11	-
3	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
ETMQUU	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
EU33N7	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
EV9MA8	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

EVUBEN	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EXY472	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
EYW6GY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EYX6ED	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
EZLGXR	Identifiler® Plus					
	-	16,22	-	16,17	11	-
3	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
FB8WV6	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
FD9276	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					

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

FHZAGD	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
FPENY4	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
FQE6A2	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
FTEZV4	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
FUWFBC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
FYQAJJ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
FYTYQ2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

FZWVPX	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G282UY	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
G33LJK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G3G7VG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
G6RZ23	PowerPlex® 17 Fast System					
	16,16.3	16,22	10,13	16,17		
3		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
G9UT3T	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
GBXJGU	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

GCXEAC	PowerPlex® Fusion 6C (STRMix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
GEGLDR	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
GG9H3L	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
GGJL8X	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
GMUK4A	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
GTERB4	PowerPlex® Fusion 6C, GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19	2	
GYHVG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

GYKJK2	GlobalFiler™ (STRmix v2.4.08)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
H328T6	PowerPlex® Fusion 6C (Lab Retriever)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
H894CZ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
H8PPVW	PowerPlex® 6C, 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
H94CBN	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
HATM3G	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
HDZYBG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

HJ7HFN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
HLL7J8	PowerPlex® ES117					
	16,16.3	16,22	10,13	16,17		
3		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					
HNB3ZU	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
HND382	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
HNHGU3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
HQ9RMG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
HRL2X3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

HW8BTT	PowerPlex® Fusion 5C & 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
HYZYNU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J3XTWW	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
J4EV3H	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J6HVN2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J8TTYX	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
J93K8E						
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

JB68GR	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
JBLQEN	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
JDB6X8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
JL9Y7Q	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
JMZWEX	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
JR2RFY	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
JR2ZEW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

JTPC8B	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
JYDUPT	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
KDRKQE	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
KGQLKP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KGW3F9	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
KUE2UB	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KUUKD9	GlobalFiler™, MiniFiler					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

KZJT6U	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
KZQXRW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
L2V67W	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
L6AP7P	GlobalFiler™ (strmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
L9D69N	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
LCVNTH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
LEFKAV	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		

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

LGLYNN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
LGMP3J	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
LWCYG9	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
M2BJFQ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
MH2J9C	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
MWEVYJ	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
N27G8X	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

N2AWV6	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
N2NJML	PowerPlex® Fusion					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	[16],24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	[8],11		6,7	12
	18,19	10				
N3J7KV	PowerPlex® PP21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
N64WLM	GlobalFiler™, Investigator® 24plex					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
N8RC6V	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
NDXCYX	PowerPlex® Fusion6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NETN3D	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

NFY8R9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
NJLTUW	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
NLU4PZ	PowerPlex® Fusion 5C, Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NM9EKY	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NPTELZ	PowerPlex® 5C, 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NU3KDZ	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
NWLPG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

P2E32R	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
P3APFG	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
P6GD8M	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
P86LYF	Identifiler® Plus					
	-	16,22	-	16,17	11	-
3	8,11	13	-	-	11,12	11,13
	13,17	13,15	29,31.2	-	X,Y	12,13
	19,23	-	-	-	6,7	12
	18,19	-	-	-	-	
PGC34T	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
PMXYJ	Identifiler® Plus (DNA VIEW ver37.33)					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
PUVYUP	GlobalFiler™ (STRmix v.2.4)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

PYEUXG	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
Q7DNJM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
Q8KBRK	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
QDCAPN	PowerPlex® Fusion 5C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
QE8W4D	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QH9X7V	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QNA7JP	GlobalFiler™ (STRmix 2.4)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	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 3 - STR Results

QUK9UL	GlobalFiler™ (STRMix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QXYZPK	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
QZPZ64	Identifiler®					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					
R4MVGP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
R9GTPT	PowerPlex® 21					
	16,16.3	16,22		16,17	11	12,13
3	8,11	13		16,24	11,12	11,13
	10,13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19					
RAKV3X	GlobalFiler™ (TrueAllele)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RBX6EJ	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					

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

RGA6RN	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RHZFL3	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RK62Z2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
RMV67F	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
RPF2LT	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
RV82BL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
RW3MXL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

T2V4VX	PowerPlex® Fusion 5C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
T34LLG	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	NA
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	NA	NA	18,30.2	6,7	12
	18,19	10	NA	NA	2	
T369AL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
T3XRNM	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
T3Y77U	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
T8RYE4	PowerPlex® Fusion, 21, ESX17 (GENEMAPPER)					
	16,16.3	16,22	10,13	16,17	11	12,13
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19					
TEV8RC	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

TMQ2YH	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
TPQECA	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
TQPFM8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
TUTANW	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
U26T89	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
U3LRK7	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
U3ZDWT	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

U4PNNL	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
UDM2AU	PowerPlex® Fusion 6C (strmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	9,10	16,17	18,19		
UEHRDM	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
UFP9DT	PowerPlex® Fusion 5C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11		6,7	12
	18,19	10				
UJPD7Q	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
ULT2JH	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
UMNQJ6	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

UNEYKU	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
UUN7CJ	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
UXFMCQ	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10				
UZDJFT	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
UZVR6M	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
V7DH4M	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
V9MD7R	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	9,10	16,17	18,19		

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

VM4HX8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNCYDL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
VNHPJP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNX4QY	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
VNYWN8	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
VU3VB3	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WUXRD	Identifiler® Plus					
		16,22		16,17	11	
3	8,11	13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12
	18,19					

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

WWTWGQ	PowerPlex® Fusion 6C (STRMix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
WG9T9N	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WJNX7Y	PowerPlex® Fusion 6C (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	9,10	16,17	18,19		
WMXL9U	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WNCYMQ	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
WQYA4J	Investigator® 24plex QS (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
WTFUED	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	16,16.3	16,22	10,13	16,17		
3		13,13	15,15	16,24		11,13
	13,17	13,15	29,31.2	15,15	X,Y	
	19,23			18,30.2	6,7	
	18,19					

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

WUGUQY	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WVDWW2	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WVLF8K	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
WXJMPX	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					
WXLAE4	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
X2UVF9	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
X6777G	Identifiler®, Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	N/A
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	

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

X82KXF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
X96H3G	Identifiler®, Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	n/a
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	n/a	n/a	18,30.2	6,7	12,12
	18,19	10	n/a	n/a	n/a	
XANCTJ	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
XET8K7	Identifiler® Plus					
		16,22		16,17	11,11	
3	8,11	13,13			11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23				6,7	12,12
	18,19					
XGVQ2T	PowerPlex® Fusion 6C (STR Mix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	9,10	16,17	18,19		
XKMZ2F	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
XN9NUT	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

XP2NLC	PowerPlex® F6C					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
XQF43K	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
XXB63B	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12,12
	18,19	10	17	19		
XZ26JU	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
XZUQQK	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YDL7C7	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
YEBG6K	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3 - STR Results

YREUCJ	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YRY8NH	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YTYACT	Identifiler® Plus, PowerPlex® Fusion (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
YUAMHH	GlobalFiler™ PCR Amplification Kit					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
YWFRCC	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
YZE38C	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZA2BKK	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					

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

ZAK8VL	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZDZWYV	GlobalFiler™ (STRmix)					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZEBUCD	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZFPBGD	PowerPlex® Fusion 6C					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23	10,13	8,11	18,30.2	6,7	12
	18,19	10	17	19		
ZGFTLF	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10			2	
ZK4Y4W	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	10				
ZKMETJ	PowerPlex® 21					
	16,16.3	16,22		16,17	11,11	12,13
3	8,11	13,13		16,24	11,12	11,13
	13,17	13,15	29,31.2		X,Y	12,13
	19,23	10,13	8,11		6,7	12,12
	18,19					



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

ZMZLJD	Identifiler®, Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	N/A
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23	N/A	N/A	18,30.2	6,7	12,12
	18,19	10	N/A	N/A	N/A	
ZTRT3L	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11,11	
3	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10			2	
ZWGYZP	GlobalFiler™					
	16,16.3	16,22	10,13	16,17	11	
3	8,11	13	15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15	X,Y	12,13
	19,23			18,30.2	6,7	12
	18,19	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 3e - STR Results

MRXBCP	Investigator® 24plex QS					
	16,16.3	16,22	10,13	16,17	11,11	
3e	8,11	13,13	15,15	16,24	11,12	11,13
	13,17	13,15	29,31.2	15,15	X,Y	12,13
	19,23			18,30.2	6,7	12,12
	18,19	10				

TABLE 2

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

Item 3sp - STR Results

MRXBCP Investigator® 24plex QS

3sp



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

248XTH	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
29Y9VT	GlobalFiler™, MiniFiler (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2HB3E3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2PE4TN	PowerPlex® Fusion 6C (STRMIX)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	18,19		
2TCVJM	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
2TNTVD	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
2TULR8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

2VB7C2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
32WEGR	Identifiler®					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
38KYB8	PowerPlex®					
	12,16.3	17,26	10,14	14,16		
4		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
38MVTH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
39C7GP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
3ARJAT	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
3DP3WY	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

3DQQJ6	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
3GUDNU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
3GUF88	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
3MXLMA	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
3T2GEW	Investigator® 24plex (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				
3YQ62F	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
3YUKF2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

4AE24F	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
4D94UM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
4FZUFE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
4JCFQE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
4NRM78	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
4NTATC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
4VMGDD	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	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 4 - STR Results

4WG4R3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
4XVRBF	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
68UTY7	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
68YABC	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
697KXE	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
6EW464	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
6EXRR9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

6FADHB	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
6J4NWG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
6MMHYA	Identifiler®, Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	N/A
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	
6PPLK4	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
6RJA4Z	Identifiler® Plus					
	-	17,26	-	14,16	12	-
4	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
6RZGB3	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
6UPFXD	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

6WPZ9Q	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
6XRNVW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
74C2HF	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		
7888Z8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
792RBQ	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
7AVFR2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23 ^	8,13	11,12
	13 ^,14 ^	14,15.2	29,31.2	15,18	X,Y	10,12 ^
	20 ^,23 ^	13,14	10	20	9.3	8,9
	14,16	11	17	19		
7AW4E7	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

7BEWPG	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9.3	8,9
	14,16	11	17	19		
7EFWZK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7GEC43	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7JA2FW	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7LUXWA	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
7LVLF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7NJCHC	PowerPlex® PP21					
	12,16.3	17,26		14,16	12	
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16					

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

7RYTMW	GlobalFiler™ (STRmix v 2.4.06)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7UQQDG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7WBQ2B	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
7YVNHE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
7ZTXGX	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
822A8Z	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
82KBWN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

83WWJ4	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
8CMQJ8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
8DC2CL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
8E7JLA	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
8F3C4E	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9,3	8,9
	14,16	11	17	19		
8M4FE7	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9,3	8,9
	14,16	11				
8M73X6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	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 4 - STR Results

8MF9Z9	GlobalFiler™ (STRmix 2.4)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
8PQYHP	GlobalFiler™, MiniFiler™ (STRmix™)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
8TMR8D	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
8YCNY6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	not tested
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	not tested	not tested	20,20	9.3,9.3	8,9
	14,16	11	not tested	not tested	2	
8YQMXZ	PowerPlex® Fusion6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
8YTCF4	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
96FBM4	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		

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

9DQNDM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
9FL2F8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
9KRZK6	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9,3	8,9
	14,16	11				
9TJEEB	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
9UD3TZ	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9,3	8,9
	14,16					
9XDBXA	PowerPlex® Fusion 5C, GlobalFiler™, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9,3	8,9
	14,16	11			2	
A3AB2B	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9,3,9,3	8,9
	14,16					

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

A4ZLJH	GlobalFiler™ (STRmix)					
			10,14	14,16	12	
4	10	12,14	13,14	23	8,13	
	13,14	14,15.2	29,31.2		X,Y	10
	20,23				9.3	
	14,16	11			2	
A8X4PX	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
ABFABY	PowerPlex® F6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
AEU4XX	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
AGK63L	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
AHLPJ9	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
ALHJRW	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	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 4 - STR Results

ARQRM8	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
AU7EPR	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
AV3HA9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
AV83CW	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
AV8EYR	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
AY8GX2	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
B2UD8Q	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

B39ZJD	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		
BAHE8M	PowerPlex® F6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
BFD26G	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
BGZLXE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
BJNK66	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
BL64M9	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
BLCTWX	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

BY3AE7	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
BY8M32	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
C2QBT6	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
C7FR4X	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
C964WB	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				
CGXBEG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
CLUWLC	PowerPlex® Fusion 5C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	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 4 - STR Results

CQ2QYU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
CRE2A7	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
CUJNTC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
CVG6V2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
CVWDZV	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,[15.2]	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,[16]	11				
CZFCPB	PowerPlex® Fusion 6C (Lab Retriever)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
CZLZMN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

D32CE4	Identifiler® Plus (STRmix)					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
D43GKY	PowerPlex® ES17 Fast					
	12,16.3	17,26	10,14	14,16		
4	10,11	12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
DAUN38	PowerPlex® Fusion 5C, Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
DFR2EA	PowerPlex® Fusion 6C (STRMix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
DJ368K	GlobalFiler™, MiniFiler (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
DM2UYR	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
DM7Y7P	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

DPQUL3	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
DT9E7W	PowerPlex® Fusion6C (STRMix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
DTDGHA	PowerPlex® Fusion 6C (STR mix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
E39LNW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
E6WKTZ	GlobalFiler™ (STRMix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
E7A6R2	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
E9ZGLE	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

EDMA8F	GlobalFiler™ (STRmix 2.4)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
EF3CTF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
EL4EAV	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
ET3DQP	Identifiler® Plus					
	-	17,26	-	14,16	12	-
4	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
ETMQUU	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
EU33N7	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
EV9MA8	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		

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

EVUBEN	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
EY472	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11				
EYW6GY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
EYX6ED	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
EZLGXR	Identifiler® Plus					
	-	17,26	-	14,16	12	-
4	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9,3	8,9
	14,16	-	-	-	-	
FB8WV6	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9,3,9,3	8,9
	14,16					
FD9276	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9,3,9,3	8,9
	14,16					



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

FHZAGD	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
FPENY4	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
FQE6A2	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
FTEZV4	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
FUWFBC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
FYQAJJ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
FYTYQ2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

FZWVPX	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G282UY	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
G33LJK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G3G7VG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
G6RZ23	PowerPlex® 17 Fast System					
	12,16.3	17,26	10,14	14,16		
4		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
G9UT3T	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
GBXJGU	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

GCXEAC	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GEGLDR	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
GG9H3L	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
GGJL8X	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GMUK4A	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
GTERB4	PowerPlex® Fusion 6C, GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19	2	
GYHVG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

GYKJK2	GlobalFiler™ (STRmix v2.4.08)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
H328T6	PowerPlex® Fusion 6C (Lab Retriever)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
H894CZ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
H8PPVW	PowerPlex® 6C, 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
H94CBN	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
HATM3G	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
HDZYBG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

HJ7HFN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
HLL7J8	PowerPlex® ES17					
	12,16.3	17,26	10,14	14,16		
4	10,11	12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					
HNB3ZU	PowerPlex® Fusion6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
HND382	PowerPlex® Fusion 5C, Fusion 6C, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
HNHGU3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
HQ9RMG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
HRL2X3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

HW8BTT	PowerPlex® Fusion 5C & 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
HYZYNU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
J3XTWW	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
J4EV3H	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
J6HVN2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
J8TTYX	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
J93K8E						
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

JB68GR	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
JBLQEN	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
JDB6X8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
JL9Y7Q	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
JMZWEX	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
JR2RFY	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
JR2ZEW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

JTPC8B	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
JYDUPT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
KDRKQE	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
KGQLKP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
KGW3F9	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
KUE2UB	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
KUUKD9	GlobalFiler™, MiniFiler					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

KZJT6U	GlobalFiler™ (STRmix)						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9,3,9,3	8,9
	14,16	11			2		
KZQXRW	GlobalFiler™						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9,3,9,3	8,9
	14,16	11			2		
L2V67W	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19			
L6AP7P	GlobalFiler™ (STRmix)						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9,3,9,3	8,9
	14,16	11			2		
L9D69N	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19			
LCVNTH	GlobalFiler™ (STRmix)						
		12,16.3	17,26	10,14	14,16	12,12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23			20,20	9,3,9,3	8,9
	14,16	11			2		
LEFKAV	PowerPlex® Fusion 6C						
		12,16.3	17,26	10,14	14,16	12	
	4	10,11	12,14	13,14	17,23	8,13	11,12
		13,14	14,15.2	29,31.2	15,18	X,Y	10,12
		20,23	13,14	10	20	9,3	8,9
	14,16	11	17	19			

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

LGLYNN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
LGMP3J	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
LWCYG9	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
M2BJFQ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
MH2J9C	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
MWEVYJ	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
N27G8X	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

N2AWV6	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
N2NJML	PowerPlex® Fusion					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
N3J7KV	PowerPlex® Plus					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
N64WLM	GlobalFiler™, Investigator® 24plex					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
N8RC6V	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
NDXCYX	PowerPlex® Fusion6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NETN3D	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

NFY8R9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
NJLTUW	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
NLU4PZ	PowerPlex® Fusion 5C, Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NM9EKY	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NPTELZ	PowerPlex® 5C, 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NU3KDZ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
NWLPG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

P2E32R	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
P3APFG	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
P6GD8M	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
P86LYF	Identifiler® Plus					
	-	17,26	-	14,16	12	-
4	10,11	12,14	-	-	8,13	11,12
	13,14	14,15.2	29,31.2	-	X,Y	10,12
	20,23	-	-	-	9.3	8,9
	14,16	-	-	-	-	
PGC34T	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
PMXYJ	Identifiler® Plus (DNA VIEW ver37.33)					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
PUVYUP	GlobalFiler™ (STRmix v.2.4)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

PYEUXG	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
Q7DNJM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
Q8KBRK	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
QDCAPN	PowerPlex® Fusion 5C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
QE8W4D	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QH9X7V	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QNA7JP	GlobalFiler™ (STRmix 2.4)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	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 4 - STR Results

QUK9UL	GlobalFiler™ (STRMix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QXYZPK	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
QZPZ64	Identifiler®					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					
R4MVGP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
R9GTPT	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
RAKV3X	GlobalFiler™ (TrueAllele)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
RBX6EJ	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					

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

RGA6RN	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
RHZFL3	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
RK62Z2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
RMV67F	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
RPF2LT	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
RV82BL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
RW3MXL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

T2V4VX	PowerPlex® Fusion 5C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
T34LLG	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	NA
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	NA	NA	20	9.3	8,9
	14,16	11	NA	NA	2	
T369AL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
T3XRNM	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
T3Y77U	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
T8RYE4	PowerPlex® Fusion, 21, ESX17 (GENEMAPPER)					
	12,16.3	17,26	10,14	14,16	12	15,18
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16					
TEV8RC	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

TMQ2YH	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
TPQECA	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
TQPFM8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
TUTANW	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	18,19		
U26T89	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
U3LRK7	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
U3ZDWT	GlobalFiler™, MiniFiler (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

U4PNNL	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
UDM2AU	PowerPlex® Fusion 6C (strmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		
UEHRDM	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
UFP9DT	PowerPlex® Fusion 5C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10		9.3	8,9
	14,16	11				
UJPD7Q	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
ULT2JH	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
UMNQJ6	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

UNEYKU	PowerPlex® 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
UUN7CJ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9.3,9.3	8,9
	14,16	11	17	19		
UXFMCQ	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				
UZDJFT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
UZVR6M	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
V7DH4M	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
V9MD7R	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		

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

VM4HX8	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
VNCYDL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
VNHPJP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
VNX4QY	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
VNYWN8	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
VU3VB3	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WUXRD	Identifiler® Plus					
		17,26		14,16	12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3	8,9
	14,16					

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

WWTWGQ	PowerPlex® Fusion 6C (STRMix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		
WG9T9N	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WJNX7Y	PowerPlex® Fusion 6C (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	17	18,19		
WMXL9U	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WNCYMQ	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
WQYA4J	Investigator® 24plex QS (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
WTFUED	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	12,16.3	17,26	10,14	14,16		
4		12,14	13,14	17,23		11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	
	20,23			20,20	9.3,9.3	
	14,16					

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

WUGUQY	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WVDWW2	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WVLF8K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
WXJMP	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					
WXLAE4	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
X2UVF9	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
X6777G	Identifiler®, Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	N/A
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	

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

X82KXF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
X96H3G	Identifiler®, Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	n/a
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	n/a	n/a	20,20	9.3,9.3	8,9
	14,16	11	n/a	n/a	n/a	
XANCTJ	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
XET8K7	Identifiler® Plus					
		17,26		14,16	12,12	
4	10,11	12,14			8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23				9.3,9.3	8,9
	14,16					
XGVQ2T	PowerPlex® Fusion 6C (STR Mix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	10,11	16,17	18,19		
XKMZ2F	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
XN9NUT	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4 - STR Results

XP2NLC	PowerPlex® F6C					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
XQF43K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
XXB63B	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10,10	20,20	9,3,9,3	8,9
	14,16	11	17	19		
XZ26JU	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
XZUQQK	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YDL7C7	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
YEBG6K	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	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 4 - STR Results

YREUCJ	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YRY8NH	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YTYACT	Identifiler® Plus, PowerPlex® Fusion (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9,3	8,9
	14,16	11	17	19		
YUAMHH	GlobalFiler™ PCR Amplification Kit					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9,3,9,3	8,9
	14,16	11			2	
YWFRCC	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
YZE38C	GlobalFiler™ (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9,3	8,9
	14,16	11			2	
ZA2BKK	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9,3,9,3	8,9
	14,16					

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

ZAK8VL	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZDZWYV	GlobalFiler™, MiniFiler (STRmix)					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZEBUCD	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZFPBGD	PowerPlex® Fusion 6C					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	13,14	10	20	9.3	8,9
	14,16	11	17	19		
ZGFTLF	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11			2	
ZK4Y4W	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	11				
ZKMETJ	PowerPlex® 21					
	12,16.3	17,26		14,16	12,12	15,18
4	10,11	12,14		17,23	8,13	11,12
	13,14	14,15.2	29,31.2		X,Y	10,12
	20,23	13,14	10,10		9.3,9.3	8,9
	14,16					

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

ZMZLJD	Identifiler®, Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	N/A
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23	N/A	N/A	20,20	9.3,9.3	8,9
	14,16	11	N/A	N/A	N/A	
ZTRT3L	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12,12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11			2	
ZWGYZP	GlobalFiler™					
	12,16.3	17,26	10,14	14,16	12	
4	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20	9.3	8,9
	14,16	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 4e - STR Results

MRXBCP	Investigator® 24plex QS					
	12,16.3	17,26	10,14	14,16	12,12	
4e	10,11	12,14	13,14	17,23	8,13	11,12
	13,14	14,15.2	29,31.2	15,18	X,Y	10,12
	20,23			20,20	9.3,9.3	8,9
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

MRXBCP Investigator® 24plex QS

4sp



**YSTR Amplification Kit(s) & Results**

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	
<b>Item 1 - YSTR Results</b>										
248XTH	Yfiler™									
1		13	15,15	13	31	24	10	11	13	
		14	10	11	20	16	18			
							22			11
29Y9VT	Yfiler™ Plus									
1	39,41	13	15	13	31	24	10	11	13	
	14	10	11	20	33	16	18	11	24	
	40	11		17	19	19	22			11
2TULR8	Yfiler™									
1		13	15	13	31	24	10	11	13	
		14	10	11	20	16	18			
							22			11
2VB7C2	Yfiler™									
1		13	15	13	31	24	10	11	13	
		14	10	11	20	16	18			
							22			11
38MVTH	Yfiler™ Plus									
1	39,41	13	15	13	31	24	10	11	13	
	14	10	11	20	33	16	18	11	24	
	40	11		17	19	19	22			11
39C7GP	Yfiler™ Plus									
1	39,41	13	15	13	31	24	10	11	13	
	14	10	11	20	33	16	18	11	24	
	40	11		17	19	19	22			11
3ARJAT	Yfiler™									
1		13	15	13	31	24	10	11	13	
		14	10	11	20	16	18			
							22			11
3GUDNU	Yfiler™ Plus									
1	39,41	13	15	13	31	24	10	11	13	
	14	10	11	20	33	16	18	11	24	
	40	11		17	19	19	22			11
3MXLMA	PowerPlex® Y 23									
1		13	15,15	13	31	24	10	11	13	
		14	10	11	20	16	18		24	
		11	11	17	19		22	12		11
3T2GEW	Yfiler™									
1		13	15	13	31	24	10	11	13	
		14	10	11	20	16	18			
							22			11
3YQ62F	PowerPlex® Y 23									
1		13	15	13	31	24	10	11	13	
		14	10	11	20	16	18		24	
		11	11	17	19		22	12		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

4AE24F	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
4FZUFE	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
4JCFQE	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4NTATC	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4VMGDD	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4WG4R3	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
68UTY7	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
68YABC	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
6EW464	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
6EXRR9	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
6RJA4Z	Yfiler™								
1	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	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

6UPFXD	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	16	18	24		
		11	11	17	19	22	12	11	
6XRNVW	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7BEWPG	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7EFWZK	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
7GEC43	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7LUXWA	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
7LVLJF	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7NJCHC	Yfiler™ Yfiler™ Plus								
1									
7UQQDG	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7YVNHE	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7ZTXGX	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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

822A8Z	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
8CMQJ8	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8DC2CL	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
8F3C4E	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8M4FE7	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8M73X6	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8PQYHP	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8TMR8D	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8YCNY6	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	not tested	17	19	19	22	not tested	11
9FL2F8	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
9UD3TZ	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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

9XDBXA	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
A3AB2B	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
A4ZLJH	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
A8X4PX	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
AHLPJ9	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
ALHJRW	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
AP48LA	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
AV8EYR	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
BAHE8M	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
BGZLXE	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
BJNK66	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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

BL64M9	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
BY3AE7	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
C2QBT6	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
C7FR4X	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
C964WB	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
CQ2QYU	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
CWWDZV	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
CZFPCB	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
CZLZMN	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
D32CE4	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
DAUN38	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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

DJ368K	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
DM2UYR	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
DPQUL3	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
DT9E7W	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
E9ZGLE	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EF3CTF	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
ET3DQP	Yfiler™								
1	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	11
ETMQUU	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EU33N7	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EV9MA8	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
EVUBEN	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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

EYW6GY	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
EZLGXR	Yfiler™								
1	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	11
FB8WV6	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
FQE6A2	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
FTEZV4	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
FYTYQ2	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
G282UY	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
G33LJK	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
G6RZ23	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
GG9H3L	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
GGJL8X	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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

GTERB4	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
H328T6	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
H894CZ	Yfiler™ Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HATM3G	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
HJ7HFN	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
HNB3ZU	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
HNHGU3	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HRL2X3	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HW8BTT	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
HYZYNU	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
J3XTWW	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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

J6HVN2	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
JB68GR	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
JR2RFY	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
JR2ZEW	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
JTPC8B	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
KPNQUY	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
KZJT6U	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
KZQXRW	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
LEFKAV	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
LGLYNN	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
M2BJFQ	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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

MRXBCP	Yfiler™ Plus, PowerPlex® Y 23								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
N27G8X	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
N2NJML	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
		11	11	17	19	19	22	12	11
N3J7KV	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
N8RC6V	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
NDXCYX	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
		11	11	17	19	19	22	12	11
NETN3D	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
							22	12	11
NJLTUW	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	11
NLU4PZ	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
		11	11	17	19	19	22	12	11
NM9EKY	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
		11	11	17	19	19	22	12	11
NPTELZ	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
		11	11	17	19	19	22	12	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

NU3KDZ	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NVWLPG	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
P2E32R	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
P3APFG	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
P86LYF	Yfiler™								
1	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	11
PM3F6G	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
PMXCYJ	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
PTBY7U	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
QDCAPN	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
QH9X7V	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
QNA7JP	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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

R4MVGP	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
RAKV3X	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
RBX6EJ	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
RGA6RN	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
RHZFL3	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
RMV67F	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
RPF2LT	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
RV82BL	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
T369AL	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
T3Y77U	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
T8RYE4	PowerPlex® Y Y23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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

TMQ2YH	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
TQPFM8	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
U3LRK7	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
U3ZDWT	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
U4PNNL	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
UEHRDM	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
UJPD7Q	PowerPlex® Y 23								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
UMNQJ6	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
UXFMCQ	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
UZDJFT	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
V7DH4M	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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

VM4HX8	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
VNHPJP	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
VNX4QY	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
WUXRD	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
WG9T9N	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
WNCYMQ	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
WUGUQY	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
WWLF8K	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
X2UVF9	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
X82KXF	Yfiler™								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
XANCTJ	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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

XET8K7	Yfiler™ Plus								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
XZ26JU	PowerPlex® Y 23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
XZUQQK	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
YDL7C7	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
YEBG6K	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
YREUCJ	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
YTYACT	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
YUAMHH	Yfiler™ Plus PCR Amplification Kit								
1	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZAK8VL	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZDZWYV	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZEBUCD	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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

ZFPBGD	PowerPlex® Y Y23								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
ZGFTLF	Yfiler™ Plus								
1	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZK4Y4W	Yfiler™								
1		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
ZKMETJ	Yfiler™								
1		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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 2 - YSTR Results

248XTH	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
2TCVJM	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
2TULR8	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
2VB7C2	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
38MVTH	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
39C7GP	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
3ARJAT	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
3MXLMA	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
3T2GEW	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
3YQ62F	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
4AE24F	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

4FZUFE	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
4JCFQE	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4NTATC	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4VMGDD	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4WG4R3	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
68UTY7	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
68YABC	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17			12
							23		12
6EW464	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
6EXRR9	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
6RJA4Z	Yfiler™								
2	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
6UPFXD	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	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

6XRNVW	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7BEWPG	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7EFWZK	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
7GEC43	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7LUXWA	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
7LVLF	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7NJCHC	Yfiler™ Y filer Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7UQQDG	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7YVNH	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7ZTXGX	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
822A8Z	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		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

8CMQJ8	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
8DC2CL	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
8F3C4E	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8M4FE7	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8M73X6	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
8TMR8D	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8YCNY6	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	not tested	17	19	24	23	not tested	12
9FL2F8	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
9UD3TZ	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
9XDBXA	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
A3AB2B	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

A4ZLJH	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
A8X4PX	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
AHLPJ9	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
ALHJRW	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
AP48LA	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
AV8EYR	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
BAHE8M	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
BGZLXE	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
BJNK66	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
BL64M9	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
BY3AE7	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

C2QBT6	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	12		
C7FR4X	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	12		
C964WB	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	17	19	24	23	12		
CQ2QYU	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	17	19	24	23	12		
CVWDZV	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	12		
CZFPCB	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
CZLZMN	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
D32CE4	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	12		
DAUN38	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	12		
DM2UYR	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	17	19	24	23	12		
DPQUL3	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
	12	13	17	19	23	10	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

DT9E7W	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
E9ZGLE	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
EF3CTF	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
ET3DQP	Yfiler™								
2	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
ETMQUU	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
EU33N7	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
EV9MA8	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
EVUBEN	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
EYW6GY	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
EZLGXR	Yfiler™								
2	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
FB8WV6	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

FQE6A2	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
FTEZV4	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
FYTYQ2	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
G282UY	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
G33LJK	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
G6RZ23	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
GG9H3L	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
GGJL8X	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
GTERB4	PowerPlex® Y 23								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
H328T6	Yfiler™								
2	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
H894CZ	Yfiler™ Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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

HATM3G	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
HJ7HFN	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
HNB3ZU	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
HNHGU3	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
HRL2X3	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
HW8BTT	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
HYZYNU	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
J3XTWW	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
J6HVN2	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
JB68GR	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
JR2RFY	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

JRZ2EW	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
JTPC8B	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
KPNQUY	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
KZJT6U	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
KZQXRW	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
LEFKAV	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
LGLYNN	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
M2BJFQ	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
MRXBCP	Yfiler™ Plus, PowerPlex® Y 23								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	13	17	19	24	23	10	12
N27G8X	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
N2NJML	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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

N3J7KV	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
N8RC6V	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
NDXCYX	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
			12	13	17	19	23	10	12
NETN3D	Yfiler™								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
							23		12
NJLTUW	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
NLU4PZ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
			12	13	17	19	23	10	12
NM9EKY	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
			12	13	17	19	23	10	12
NPTELZ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
			12	13	17	19	23	10	12
NU3KDZ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
			12	13	17	19	23	10	12
NVWLPG	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
P2E32R	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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

P3APFG	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
P86LYF	Yfiler™								
2	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
PM3F6G	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
PMXCYJ	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
PTBY7U	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
QDCAPN	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
QH9X7V	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
QNA7JP	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
R4MVG P	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
RAKV3X	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
RBX6EJ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	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

RGA6RN	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
RHZFL3	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
RMV67F	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
RPF2LT	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
RV82BL	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
T369AL	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
T3Y77U	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
T8RYE4	PowerPlex® Y Y23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
TMQ2YH	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
TQPFM8	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
U3LRK7	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		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

U4PNNL	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
UEHRDM	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
UJPD7Q	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
UMNQJ6	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
UXFMCQ	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
UZDJFT	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
V7DH4M	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
VM4HX8	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
VNHPJP	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
VNX4QY	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
WUXRD	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		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

WG9T9N	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
WNCYMQ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
WUGUQY	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		12
							23		12
WWLF8K	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
X2UVF9	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
X82KXF	Yfiler™								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
XANCTJ	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
XET8K7	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
XZ26JU	PowerPlex® Y 23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
XZUQQK	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		12
							23		12
YDL7C7	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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

YEBG6K	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
YREUCJ	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
YTYACT	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
YUAMHH	Yfiler™ Plus PCR Amplification Kit								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
ZAK8VL	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
ZEBUCD	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
ZFPBGD	PowerPlex® Y Y23								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
ZGFTLF	Yfiler™ Plus								
2	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
ZK4Y4W	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
ZKMETJ	Yfiler™								
2		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									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

248XTH	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
29Y9VT	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
2TULR8	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
2VB7C2	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
38MVTH	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
39C7GP	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
3GUDNU	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
3MXLMA	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
3YQ62F	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
4AE24F	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
4FZUFE	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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 3 - YSTR Results

4JCFQE	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4NTATC	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4VMGDD	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
4WG4R3	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
		14	10	11	20	16	18		24
		11	11	17	19		22	12	11
68UTY7	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
		14	10	11	20	16	18		24
		11	11	17	19		22	12	11
68YABC	Yfiler™								
3		13	15	13	31	24	10	11	13
		14	10	11	20	16	18		
							22		11
6EW464	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
6EXRR9	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
6MMHYA	Yfiler™ Plus								
3	N/A	13	15,15	13	31	24	10	11	13
	14	10	11	20	N/A	16	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	11
6RJA4Z	Yfiler™								
3	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	11
6UPFXD	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
		14	10	11	20	16	18		24
		11	11	17	19		22	12	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 3 - YSTR Results

6XRNVW	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7BEWPG	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7EFWZK	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
7GEC43	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7LUXWA	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
7LVLJF	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7NJCHC	Yfiler™ Y Filer Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7UQQDG	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7YVNHE	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
7ZTXGX	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
822A8Z	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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 3 - YSTR Results

8CMQJ8	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8DC2CL	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
8F3C4E	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8M4FE7	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8M73X6	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8PQYHP	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
8TMR8D	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
8YCNY6	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	not tested	17	19	19	22	not tested	11
9FL2F8	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
9UD3TZ	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
9XDBXA	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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 3 - YSTR Results

A3AB2B	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
A4ZLJH	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
A8X4PX	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
AHLPJ9	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
ALHJRW	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
AV8EYR	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
BAHE8M	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
BGZLXE	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
BJNK66	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
BL64M9	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
BY3AE7	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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 3 - YSTR Results

C2QBT6	PowerPlex® Y 23								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19	22	12	11		
C7FR4X	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19	22	12	11		
C964WB	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	17	19	19	22	11	11	
CQ2QYU	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	17	19	19	22	11	11	
CVWDZV	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19	22	12	11		
CZFPCB	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
						22	11		
CZLZMN	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
						22	11		
D32CE4	PowerPlex® Y 23								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19	22	12	11		
DAUN38	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19	22	12	11		
DJ368K	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	17	19	19	22	11	11	
DM2UYR	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	17	19	19	22	11	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 3 - YSTR Results

DPQUL3	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
DT9E7W	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
E9ZGLE	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EF3CTF	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
ET3DQP	Yfiler™								
3	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	11
ETMQUU	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EU33N7	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EV9MA8	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
EVUBEN	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
EYW6GY	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
EZLGXR	Yfiler™								
3	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18		-
	-	-	-	-	-	-	22	-	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 3 - YSTR Results

FB8WV6	PowerPlex® Y 23								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19		22	12	11	
FQE6A2	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19		22	12	11	
FTEZV4	Yfiler™								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		11	
FYTYQ2	Yfiler™								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		11	
G282UY	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		11	
G33LJK	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		11	
G6RZ23	PowerPlex® Y 23								
3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19		22	12	11	
GG9H3L	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		11	
GGJL8X	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19		22	12	11	
GTERB4	PowerPlex® Y 23								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	24		
	11	11	17	19		22	12	11	
H328T6	Yfiler™								
3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18			
						22		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 3 - YSTR Results

H894CZ	Yfiler™ Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HATM3G	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		11
							22		11
HJ7HFN	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		11
							22		11
HNB3ZU	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
HNHGU3	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HRL2X3	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
HW8BTT	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		11
							22		11
HYZYNU	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
J3XTWW	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
J6HVN2	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
JB68GR	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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 3 - YSTR Results

JR2RFY	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
JR2EWW	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
JTPC8B									
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
KZJT6U	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
KZQXRW	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
LEFKAV	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
LGLYNN	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
M2BJFQ	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
N27G8X	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
N3J7KV	Yfiler™ Plus								
3	39,41	13	15,NR	NR	NR	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
N8RC6V	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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 3 - YSTR Results

NDXCX	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NETN3D	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
NJLTUW	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
NLU4PZ	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NM9EKY	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NPTELZ	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NU3KDZ	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
NVWLPG	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
P2E32R	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
P3APFG	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
P86LYF	Yfiler™								
3	-	13	15	13	31	24	10	11	13
	14	10	11	20	-	16	18	-	-
	-	-	-	-	-	-	22	-	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 3 - YSTR Results

PMXCYJ	Yfiler™									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	11		
QDCAPN	PowerPlex® Y 23									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	12	11	
QH9X7V	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24	
QNA7JP	Yfiler™ Plus									
	3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24	
R4MVG P	PowerPlex® Y 23									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	12	11	
RAKV3X	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24	
RBX6EJ	PowerPlex® Y 23									
	3	13	15,15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	12	11	
RGA6RN	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24	
RHZFL3	Yfiler™									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	11		
RMV67F	Yfiler™									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	11		
RPF2LT	PowerPlex® Y 23									
	3	13	15	13	31	24	10	11	13	
	14	10	11	20	16	18	22	12	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 3 - YSTR Results

RV82BL	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
T369AL	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
T3Y77U	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
T8RYE4	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
TMQ2YH	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
TQPFM8	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
U3LRK7	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
U3ZDWT	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
U4PNNL	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
UEHRDM	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
UJPD7Q	PowerPlex® Y 23								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	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 3 - YSTR Results

UMNQJ6	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
UXFMCQ	Yfiler™ Plus								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
UZDJFT	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
V7DH4M	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
VM4HX8	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
VNHPJP	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
VNX4QY	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
WUXRD	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
WG9T9N	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
WNCYMQ	PowerPlex® Y 23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
WUGUQY	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		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 3 - YSTR Results

WVLF8K	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
		14	10	11	20	33	16	18	11	24
		40	11		17	19	19	22		11
X2UVF9	PowerPlex® Y 23									
	3		13	15	13	31	24	10	11	13
		14	10	11	20		16	18		24
			11	11	17	19		22	12	11
X6777G	Yfiler™									
	3	N/A	13	15,15	13	31	24	10	11	13
		14	10	11	20	N/A	16	18	N/A	N/A
		N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	11
X82KXF	Yfiler™									
	3	39,41	13	15,15	13	31	24	10	11	13
		14	10	11	20	33	16	18	11	24
		40	11		17	19	19	22		11
X96H3G	Yfiler™									
	3	n/a	13	15,15	13	31	24	10	11	13
		14	10	11	20	n/a	16	18	n/a	n/a
		n/a	n/a	n/a	n/a	n/a	n/a	22	n/a	11
XANCTJ	PowerPlex® Y 23									
	3		13	15	13	31	24	10	11	13
		14	10	11	20		16	18		24
			11	11	17	19		22	12	11
XET8K7	Yfiler™ Plus									
	3	39,41	13	15,15	13	31	24	10	11	13
		14	10	11	20	33	16	18	11	24
		40	11		17	19	19	22		11
XZ26JU	PowerPlex® Y 23									
	3		13	15	13	31	24	10	11	13
		14	10	11	20		16	18		24
			11	11	17	19		22	12	11
XZUQQK	Yfiler™									
	3		13	15,15	13	31	24	10	11	13
		14	10	11	20		16	18		
								22		11
YDL7C7	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
		14	10	11	20	33	16	18	11	24
		40	11		17	19	19	22		11
YEBG6K	Yfiler™ Plus									
	3	39,41	13	15	13	31	24	10	11	13
		14	10	11	20	33	16	18	11	24
		40	11		17	19	19	22		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 3 - YSTR Results

YREUCJ	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
YTYACT	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
YUAMHH	Yfiler™ Plus PCR Amplification Kit								
3	39,41	13	15,15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZAK8VL	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZDZWYV	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZEBUCD	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZFPBGD	PowerPlex® Y Y23								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		24
		11	11	17	19		22	12	11
ZGFTLF	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		11
ZK4Y4W	Yfiler™								
3		13	15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
ZKMETJ	Yfiler™								
3		13	15,15	13	31	24	10	11	13
	14	10	11	20		16	18		
							22		11
ZMZLJD	Yfiler™								
3	N/A	13	15,15	13	31	24	10	11	13
	14	10	11	20	N/A	16	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	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 3 - YSTR Results

ZTRT3L	Yfiler™ Plus								
3	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11		17	19	19	22		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 3e - YSTR Results

MRXBCP	Yfiler™ Plus, PowerPlex® Y 23								
3e	39,41	13	15	13	31	24	10	11	13
	14	10	11	20	33	16	18	11	24
	40	11	11	17	19	19	22	12	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 3sp - YSTR Results

MRXBCP Yfiler™ Plus, PowerPlex® Y 23  
 3sp



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

248XTH	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
2TCVJM	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
2TULR8	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
2VB7C2	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
38MVTH	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
39C7GP	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
3DQQJ6	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
3MXLMA	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
3YQ62F	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
4AE24F	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
4FZUFE	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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 4 - YSTR Results

4JCFQE	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4NTATC	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4VMGDD	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
4WG4R3	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
68UTY7	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
68YABC	Yfiler™								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
							23		12
6EW464	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
6EXRR9	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
6MMHYA	Yfiler™								
4	N/A	15	11,13	13	29	25	11	13	12
	15	12	12	20	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
6RJA4Z	Yfiler™								
4	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
6RZGB3	Yfiler™								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
							23		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

6UPFXD	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
6XRNVW	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7BEWPG	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7EFWZK	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
7GEC43	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7LUXWA	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
7LVLJF	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7NJCHC	Yfiler™ Y filer Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7UQQDG	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7YVNHE	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
7ZTXGX	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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 4 - YSTR Results

822A8Z	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
8CMQJ8	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
8DC2CL	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
8F3C4E	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8M4FE7	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8M73X6	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
8TMR8D	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
8YCNY6	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	not tested	17	19	24	23	not tested	12
9FL2F8	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
9UD3TZ	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
9XDBXA	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		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 4 - YSTR Results

A3AB2B	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
A4ZLJH	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
A8X4PX	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
AHLPJ9	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
ALHJRW	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
AV83CW	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
AV8EYR	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
BAHE8M	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
BGZLXE	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
BJNK66	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
BL64M9	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									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

BY3AE7	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
C2QBT6	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
C7FR4X	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
C964WB	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
CQ2QYU	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
CVWDZV	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
CZFPCB	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
CZLZMN	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
D32CE4	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
DAUN38	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
DM2UYR	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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

DPQUL3	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
DT9E7W	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
E9ZGLE	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
EF3CTF	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
ET3DQP	Yfiler™								
4	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
ETMQUU	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
EU33N7	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
EV9MA8	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23		12
EVUBEN	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
EYW6GY	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
EZLGXR	Yfiler™								
4	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	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 4 - YSTR Results

FB8WV6	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
FQE6A2	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
FTEZV4	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		12
FYTYQ2	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		12
G282UY	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		12
G33LJK	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		12
G6RZ23	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
GG9H3L	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		12
GGJL8X	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23	10	23
		12	13	17	19		23	10	12
GTERB4	PowerPlex® Y 23								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		23
		12	13	17	19		23	10	12
H328T6	Yfiler™								
4	15	12	11,13	13	29	25	11	13	12
	15	12	12	20	16	17	23		12
							23		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

H894CZ	Yfiler™ Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
H94CBN	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
HATM3G	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
HJ7HFN	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
HNB3ZU	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
HNHGU3	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
HRL2X3	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
HW8BTT	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
									12
HYZYNU	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
J3XTWW	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
J6HVN2	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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 4 - YSTR Results

JB68GR	PowerPlex® Y 23									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23	
		12	13	17	19		23	10	12	
JBLQEN	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			12
JR2RFY	PowerPlex® Y 23									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23	
		12	13	17	19		23	10	12	
JR2ZEW	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
		38	12	17	19	24	23			12
JTPC8B	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			12
KZJT6U	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			12
KZQXRW	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			12
LEFKAV	PowerPlex® Y 23									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23	
		12	13	17	19		23	10	12	
LGLYNN	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
		38	12	17	19	24	23			12
LGMP3J	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			12
M2BJFQ	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17			23
							23			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

N27G8X	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
N3J7KV	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
N8RC6V	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
NDXCYX	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
NETN3D	Yfiler™								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
							23		12
NJLTUW	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
NLU4PZ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
NM9EKY	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
NPTELZ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
NU3KDZ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
		15	12	12	20	16	17		23
		12	13	17	19		23	10	12
NVWLPG	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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 4 - YSTR Results

P2E32R	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
P3APFG	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
P86LYF	Yfiler™								
4	-	15	11,13	13	29	25	11	13	12
	15	12	12	20	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
PMXCYJ	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
PYEUXG	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
QDCAPN	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
QH9X7V	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
QNA7JP	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
R4MVG P	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
RAKV3X	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
RBX6EJ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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 4 - YSTR Results

RGA6RN	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
RHZFL3	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
RMV67F	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
RPF2LT	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
RV82BL	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
T369AL	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
T3Y77U	PowerPlex® Y Y23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
T8RYE4	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
TMQ2YH	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
TQPFM8	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
U3LRK7	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		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 4 - YSTR Results

U4PNNL	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
UEHRDM	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
UJPD7Q	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
UMNQJ6	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
UXFMCQ	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
UZDJFT	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
V7DH4M	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
VM4HX8	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
VNHPJP	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
VNX4QY	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
WUXRD	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		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 4 - YSTR Results

WG9T9N	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
WNCYMQ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
WUGUQY	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
							23		12
WWLF8K	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
X2UVF9	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
X6777G	Yfiler™								
4	N/A	15	11,13	13	29	25	11	13	12
	15	12	12	20	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
X82KXF	Yfiler™								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
X96H3G	Yfiler™								
4	n/a	15	11,13	13	29	25	11	13	12
	15	12	12	20	n/a	16	17	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	23	n/a	12
XANCTJ	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	12
XET8K7	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		12
XZ26JU	PowerPlex® Y 23								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		23
		12	13	17	19		23	10	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 4 - YSTR Results

XZUQQK	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20		16	17		12
							23			
YDL7C7	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
YEBG6K	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
YREUCJ	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20		16	17		12
							23			
YTYACT	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20		16	17		12
							23			
YUAMHH	Yfiler™ Plus PCR Amplification Kit									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
ZAK8VL	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
ZEBUCD	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
ZFPBGD	PowerPlex® Y Y23									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20		16	17		23
		12	13	17	19		23	10		12
ZGFTLF	Yfiler™ Plus									
	4	35,36	15	11,13	13	29	25	11	13	12
		15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23			12
ZK4Y4W	Yfiler™									
	4		15	11,13	13	29	25	11	13	12
		15	12	12	20		16	17		12
							23			

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

ZKMETJ	Yfiler™								
4		15	11,13	13	29	25	11	13	12
	15	12	12	20		16	17		
							23		12
ZMZLJD	Yfiler™								
4	N/A	15	11,13	13	29	25	11	13	12
	15	12	12	20	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	12
ZTRT3L	Yfiler™ Plus								
4	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12		17	19	24	23		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 4e - YSTR Results

MRXBCP	Yfiler™ Plus, PowerPlex® Y 23								
4e	35,36	15	11,13	13	29	25	11	13	12
	15	12	12	20	29	16	17	11	23
	38	12	13	17	19	24	23	10	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 4sp - YSTR Results

MRXBCP Yfiler™ Plus, PowerPlex® Y 23  
 4sp



## 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.

<b>Locus</b>	<b>WebCode</b>	<b>Item 1</b>	<b>Item 2</b>	<b>Item 3</b>	<b>Item 4</b>
D6	7NJCHC	12,13	15,18	12,13	15,18
QS1	6FADHB	Q	Q	Q	Q
	JMZWEX	Q	Q	Q	Q
QS2	6FADHB	S	S	S	S
	JMZWEX	S	S	S	S

# DNA Interpretations

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

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
248XTH	Yes	No	No	Yes	4D94UM	Yes	No	No	Yes
29Y9VT	Yes	No	No	Yes	4FZUFE	Yes	No	No	Yes
2E97P8	No Interpretations Reported, DNA Analyzed for Database purposes only.				4JCFQE	Yes	No	No	Yes
2HB3E3	Yes	No	No	Yes	4NRM78	Yes	No	No	Yes
2PE4TN	Yes	No	No	Yes	4NTATC	Yes	No	No	Yes
2TCVJM	Yes	No	No	Yes	4VMGDD	Yes	No	No	Yes
2TNTVD	Yes	No	No	Yes	4WG4R3	Yes	No	No	Yes
2TULR8	Yes	No	No	Yes	4XVRBF	Yes	No	No	Yes
2VB7C2	Yes	No	No	Yes	68UTY7	Yes	No	No	Yes
32WEGR	Yes	No	No	Yes	68YABC	Yes	No	No	Yes
38KYB8	Yes	No	No	Yes	697KXE	Yes	No	No	Yes
38MVTH	Yes	No	No	Yes	6EW464	Yes	No	No	Yes
39C7GP	Yes	No	No	Yes	6EXRR9	Yes	No	No	Yes
3ARJAT	Yes	No	No	Yes	6FADHB	Yes	No	No	Yes
3DP3WY	Yes	No	No	Yes	6J4NWX	Yes	No	No	Yes
3DQQJ6	Yes	No	No	Yes	6MMHYA	Yes	No	No	Yes
3GUDNU	Yes	No	No	Yes	6PPLK4	Yes	No	No	Yes
3GUF88	Yes	No	No	Yes	6RJA4Z	Yes	No	No	Yes
3MXLMA	Yes	No	No	Yes	6RZGB3	Yes	No	No	Yes
3T2GEW	Yes	No	No	Yes	6UPFXD	Yes	No	No	Yes
3YQ62F	Yes	No	No	Yes	6WPZ9Q	Yes	No	No	Yes
3YUKF2	Yes	No	No	Yes	6XRNWV	Yes	No	No	Yes
4AE24F	Yes	No	No	Yes	74C2HF	Yes	No	No	Yes

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
7888Z8	Yes	No	No	Yes	8MF9Z9	Yes	No	No	Yes
792RBQ	Yes	No	No	Yes	8PQYHP	Yes	No	No	Yes
7AVFR2	Yes	No	No	Yes	8TMR8D	Yes	No	No	Yes
7AW4E7	Yes	No	No	Yes	8YCNY6	Yes	No	No	Yes
7BEWPG	Yes	No	No	Yes	8YQMXZ	Yes	No	No	Yes
7EFWZK	Yes	No	No	Yes	8YTCF4	Yes	No	No	Yes
7GEC43	Yes	No	No	Yes	96FBM4	Yes	No	No	Yes
7JA2FW	Yes	No	No	Yes	9DQNDM	Yes	No	No	Yes
7LUXWA	Yes	No	No	Yes	9FL2F8	Yes	No	No	Yes
7LVLJF	Yes	No	No	Yes	9KRZK6	Yes	No	No	Yes
7NJCHC	Yes	No	No	Yes	9TJEEB	Yes	No	No	Yes
7RYTMW	Yes	No	No	Yes	9UD3TZ	Yes	No	No	Yes
7UQQDG	Yes	No	No	Yes	9XDBXA	Yes	No	No	Yes
7WBQ2B	Yes	No	No	Yes	A3AB2B	Yes	No	No	Yes
7YVNHE	Yes	No	No	Yes	A4ZLJH	Yes	No	No	Yes
7ZTXGX	Yes	No	No	Yes	A8X4PX	Yes	No	No	Yes
822A8Z	Yes	No	No	Yes	ABFABY	Yes	No	No	Yes
82KBWN	Yes	No	No	Yes	AEU4XX	Yes	No	No	Yes
83WWJ4	Yes	No	No	Yes	AGK63L	Yes	No	No	Yes
8CMQJ8	Yes	No	No	Yes	AHLPJ9	Yes	No	No	Yes
8DC2CL	Yes	No	No	Yes	ALHJRW	Yes	No	No	Yes
8E7JLA	Yes	No	No	Yes	AP48LA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8F3C4E	Yes	No	No	Yes	ARQRM8	Yes	No	No	Yes
8M4FE7	Yes	No	No	Yes	AU7EPR	Yes	No	No	Yes
8M73X6	Yes	No	No	Yes	AV3HA9	Yes	No	No	Yes



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
AV83CW	Yes	No	No	Yes	D32CE4	Yes	No	No	Yes
AV8EYR	Yes	No	No	Yes	D43GKY	Yes	No	No	Yes
AY8GX2	Yes	No	No	Yes	DAUN38	Yes	No	No	Yes
B2UD8Q	Yes	No	No	Yes	DFR2EA	Yes	No	No	Yes
B39ZJD	Yes	No	No	Yes	DJ368K	Yes	No	No	Yes
BAHE8M	Yes	No	No	Yes	DM2UYR	Yes	No	No	Yes
BFD26G	No Interp	No Interp	No Interp	No Interp	DM7Y7P	Yes	No	No	Yes
BGZLXE	Yes	No	No	Yes	DPQUL3	Yes	No	No	Yes
BJNK66	Yes	No	No	Yes	DT9E7W	Yes	No	No	Yes
BL64M9	Yes	No	No	Yes	DTDGHA	Yes	No	No	Yes
BLCTWX	Yes	No	No	Yes	E39LNW	Yes	No	No	Yes
BY3AE7	Yes	No	No	Yes	E6WKTZ	Yes	No	No	Yes
BY8M32	Yes	No	No	Yes	E7A6R2	Yes	No	No	Yes
C2QBT6	Yes	No	No	Yes	E9ZGLE	Yes	No	No	Yes
C7FR4X	Yes	No	No	Yes	EDMA8F	Yes	No	No	Yes
C964WB	Yes	No	No	Yes	EF3CTF	Yes	No	No	Yes
CGXBEG	Yes	No	No	Yes	EGWY86	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CLUWLC	Yes	No	No	Yes	EL4EAV	Yes	No	No	Yes
CQ2QYU	Yes	No	No	Yes	ET3DQP	Yes	No	No	Yes
CRE2A7	Yes	No	No	Yes	ETMQUU	Yes	No	No	Yes
CUJNTC	Yes	No	No	Yes	EU33N7	Yes	No	No	Yes
CVG6V2	Yes	No	No	Yes	EV9MA8	Yes	No	No	Yes
CWWDZV	Yes	No	No	Yes	EVUBEN	Yes	No	No	Yes
CZFPCB	Yes	No	No	Yes	EXY472	Yes	No	No	Yes
CZLZMN	Yes	No	No	Yes	EYW6GY	Yes	No	No	Yes

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
EYX6ED	Yes	No	No	Yes	GYJK2	Yes	No	No	Yes
EZLGXR	Yes	No	No	Yes	H328T6	Yes	No	No	Yes
FB8WV6	Yes	No	No	Yes	H894CZ	Yes	No	No	Yes
FD9276	Yes	No	No	Yes	H8PPW	Yes	No	No	Yes
FHZAGD	Yes	No	No	Yes	H94CBN	Yes	No	No	Yes
FPENY4	Yes	No	No	Yes	HATM3G	Yes	No	No	Yes
FQE6A2	Yes	No	No	Yes	HDZYBG	Yes	No	No	Yes
FTEZV4	Yes	No	No	Yes	HJ7HFN	Yes	No	No	Yes
FUWFBC	No Interp	No Interp	No Interp	No Interp	HLL7J8	Yes	No	No	Yes
FYQAJJ	Yes	No	No	Yes	HNB3ZU	Yes	No	No	Yes
FYTYQ2	Yes	No	No	Yes	HND382	Yes	No	No	Yes
FZWVPX	Yes	No	No	Yes	HNHGU3	Yes	No	No	Yes
G282UY	Yes	No	No	Yes	HQ9RMG	Yes	No	No	Yes
G33LJK	Yes	No	No	Yes	HRL2X3	Yes	No	No	Yes
G3G7VG	Yes	No	No	Yes	HW8BTT	Yes	No	No	Yes
G6RZ23	Yes	No	No	Yes	HYZYNU	Yes	No	No	Yes
G9UT3T	Yes	No	No	Yes	J3XTWW	Yes	No	No	Yes
GBXJGU	Yes	No	No	Yes	J4EV3H	Yes	No	No	Yes
GCXEAC	Yes	No	No	Yes	J6HVN2	Yes	No	No	Yes
GEGLDR	Yes	No	No	Yes	J8TTYX	Yes	No	No	Yes
GG9H3L	Yes	No	No	Yes	J93K8E	Yes	No	No	Yes
GGJL8X	Yes	No	No	Yes	JB68GR	Yes	No	No	Yes
GMUK4A	Yes	No	No	Yes	JBLQEN	Yes	No	No	Yes
GTERB4	Yes	No	No	Yes	JDB6X8	Yes	No	No	Yes
GYHVG	Yes	No	No	Yes	JL9Y7Q	Yes	No	No	Yes

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
JMZWEX	Yes	No	No	Yes	MRXBCP	Yes	No	No	Yes
JR2RFY	Yes	No	No	Yes	MWEVYJ	Yes	No	No	Yes
JRZ2EW	Yes	No	No	Yes	N27G8X	Yes	No	No	Yes
JTPC8B	Yes	No	No	Yes	N2AWV6	Yes	No	No	Yes
JYDUPT	Yes	No	No	Yes	N2NJML	Yes	No	No	Yes
KDRKQE	Yes	No	No	Yes	N3J7KV	Yes	No	No	Yes
KGQLKP	Yes	No	No	Yes	N64WLM	Yes	No	No	Yes
KGW3F9	Yes	No	No	Yes	N8RC6V	Yes	No	No	Yes
KPNQUY	No Interpretations Reported, DNA Analyzed for Database purposes only.				NDXCYX	Yes	No	No	Yes
KUE2UB	Yes	No	No	Yes	NETN3D	Yes	No	No	Yes
KUUKD9	Yes	No	No	Yes	NFY8R9	Yes	No	No	Yes
KZJT6U	Yes	No	No	Yes	NJLTUW	Yes	No	No	Yes
KZQXRW	Yes	No	No	Yes	NLU4PZ	Yes	No	No	Yes
L2V67W	Yes	No	No	Yes	NM9EKY	Yes	No	No	Yes
L6AP7P	Yes	No	No	Yes	NPTELZ	Yes	No	No	Yes
L9D69N	Yes	No	No	Yes	NU3KDZ	Yes	No	No	Yes
LBHUCW	No Interpretations Reported, DNA Analyzed for Database purposes only.				NVLPG	Yes	No	No	Yes
LCVNTH	Yes	No	No	Yes	P2E32R	Yes	No	No	Yes
LEFKAV	Yes	No	No	Yes	P3APFG	Yes	No	No	Yes
LGLYNN	Yes	No	No	Yes	P6GD8M	Yes	No	No	Yes
LGMP3J	Yes	No	No	Yes	P86LYF	Yes	No	No	Yes
LWCYG9	Yes	No	No	Yes	PGC34T	Yes	No	No	Yes
M2BJFQ	Yes	No	No	Yes	PM3F6G	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MH2J9C	Yes	No	No	Yes	PMXCYJ	Yes	No	No	Yes

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
PTBY7U	No Interpretations Reported, DNA Analyzed for Database purposes only.				T369AL	Yes	No	No	Yes
PUVYUP	Yes	No	No	Yes	T3XRNM	Yes	No	No	Yes
PYEUXG	Yes	No	No	Yes	T3Y77U	Yes	No	No	Yes
Q7DNJM	Yes	No	No	Yes	T8RYE4	Yes	No	No	Yes
Q8KBRK	Yes	No	No	Yes	TEV8RC	Yes	No	No	Yes
QDCAPN	Yes	No	No	Yes	TMQ2YH	Yes	No	No	Yes
QE8W4D	Yes	No	No	Yes	TPQECA	Yes	No	No	Yes
QH9X7V	Yes	No	No	Yes	TQPFM8	Yes	No	No	Yes
QNA7JP	Yes	No	No	Yes	TUTANW	Yes	No	No	Yes
QUK9UL	Yes	No	No	Yes	U26T89	Yes	No	No	Yes
QXYZPK	Yes	No	No	Yes	U3LRK7	Yes	No	No	Yes
QZPZ64	Yes	No	No	Yes	U3ZDWT	Yes	No	No	Yes
R4MVGPF	Yes	No	No	Yes	U4PNNL	Yes	No	No	Yes
R9GTPT	Yes	No	No	Yes	UDM2AU	Yes	No	No	Yes
RAKV3X	Yes	No	No	Yes	UEHRDM	Yes	No	No	Yes
RBX6EJ	Yes	No	No	Yes	UFP9DT	Yes	No	No	Yes
RGA6RN	Yes	No	No	Yes	UJPD7Q	Yes	No	No	Yes
RHZFL3	Yes	No	No	Yes	ULT2JH	Yes	No	No	Yes
RK6Z2Z	Yes	No	No	Yes	UMNQJ6	Yes	No	No	Yes
RMV67F	Yes	No	No	Yes	UNEYKU	Yes	No	No	Yes
RPF2LT	Yes	No	No	Yes	UUN7CJ	Yes	No	No	Yes
RV82BL	Yes	No	No	Yes	UXFMCQ	Yes	No	No	Yes
RW3MXL	Yes	No	No	Yes	UZDJFT	Yes	No	No	Yes
T2V4VX	Yes	No	No	Yes	UZVR6M	Yes	No	No	Yes
T34LLG	Yes	No	No	Yes	V7DH4M	Yes	No	No	Yes

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
V9MD7R	Yes	No	No	Yes	XCR6TA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
VM4HX8	Yes	No	No	Yes	XET8K7	Yes	No	No	Yes
VNCYDL	Yes	No	No	Yes	XGVQ2T	Yes	No	No	Yes
VNHPJP	Yes	No	No	Yes	XKMZ2F	Yes	No	No	Yes
VNX4QY	Yes	No	No	Yes	XN9NUT	Yes	No	No	Yes
VNYWN8	Yes	No	No	Yes	XP2NLC	Yes	No	No	Yes
VU3VB3	Yes	No	No	Yes	XQF43K	Yes	No	No	Yes
WUXRDR	Yes	No	No	Yes	XXB63B	Yes	No	No	Yes
WWTWGG	Yes	No	No	Yes	XZ26JU	Yes	No	No	Yes
WG9T9N	Yes	No	No	Yes	XZUQQK	Yes	No	No	Yes
WJNX7Y	Yes	No	No	Yes	YDL7C7	Yes	No	No	Yes
WMXL9U	Yes	No	No	Yes	YEBG6K	Yes	No	No	Yes
WNCYMQ	Yes	No	No	Yes	YREUCJ	Yes	No	No	Yes
WQYA4J	Yes	No	No	Yes	YRY8NH	Yes	No	No	Yes
WTFUED	Yes	No	No	Yes	YTYACT	Yes	No	No	Yes
WUGUQY	Yes	No	No	Yes	YUAMHH	Yes	No	No	Yes
WVDWW2	Yes	No	No	Yes	YWFRCC	Yes	No	No	Yes
WVLF8K	Yes	No	No	Yes	YZE38C	Yes	No	No	Yes
WXJMP	Yes	No	No	Yes	ZA2BKK	Yes	No	No	Yes
WXLAE4	Yes	No	No	Yes	ZAK8VL	Yes	No	No	Yes
X2UVF9	Yes	No	No	Yes	ZDZWYV	Yes	No	No	Yes
X6777G	Yes	No	No	Yes	ZEBUCD	Yes	No	No	Yes
X82KXF	Yes	No	No	Yes	ZFPBGD	Yes	No	No	Yes
X96H3G	Yes	No	No	Yes	ZGFTLF	Yes	No	No	Yes
XANCTJ	Yes	No	No	Yes	ZK4Y4W	Yes	No	No	Yes

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
ZKMETJ	Yes	No	No	Yes					
ZMZLJD	Yes	No	No	Yes					
ZTRT3L	Yes	No	No	Yes					
ZWGYZP	Yes	No	No	Yes					

<b>DNA Interpretation</b>					
<b>Response Summary</b>			<b>Participants reporting DNA results: 348</b>		
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 &amp; 4)?</i>					
		Victim (Item 1)		Suspect (Item 2)	
		<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
	Yes	<b>338</b>	<b>0</b>	<b>0</b>	<b>338</b>
	No	<b>0</b>	<b>338</b>	<b>338</b>	<b>0</b>
	Inc	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	No Interpretation	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	No Response	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Participants analyzing DNA for database purposes only: 8

# Additional Comments

## TABLE 6

WebCode	Additional Comments
248XTH	reporting results with stutter filters on
29Y9VT	Minifiler was also used to amplify Item 4. Concordant results were obtained for Item 4 in Globalfiler and Minifiler. Globalfiler Express was also used to amplify Item 2. Concordant results were obtained for Item 2 in Globalfiler and Globalfiler Express.
2E97P8	Items 1 and 2 were ran with both GlobalFiler and GlobalFiler Express.
2PE4TN	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.
2TCVJM	Minifiler was also used to amplify Item 3. Concordant results were obtained for Globalfiler and Minifiler.
32WEGR	The laboratory does not provide an allele table in the report; therefore, this procedure is used only for reporting the results of proficiency tests.
37DNRB	Y-screening analysis conducted only. For Item 3, male DNA was detected. For item 4, male DNA was detected.
3DP3WY	Probabilistic genotyping (STRmix) used for data analysis with stutter peaks filtered.
3GUDNU	Item 3 was also amplified with Minifiler. The results were concordant with the GlobalFiler amplification.
697KXE	reporting results with stutter filters on
6FADHB	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
6RJA4Z	1. Extraction: (i) Item 1 and Item 2 were extracted using in-situ method; (ii) Bloodstains extraction on Item 3 and Item 4 was carried out with Promega DNA IQ purification kit using Tecan Freedom EVO HID Evolution platform. 2. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on QuantStudio 5 RT-PCR. 3. Amplification on 9700 GeneAmp PCR System: (i) Item 1 and Item 2 were amplified using AmpFISTR Identifiler Direct PCR Amplification Kit. (ii) Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus PCR Amplification Kit. (iii) Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFISTR Yfiler PCR Amplification Kit. 4. Electrophoresis: (i) Item 1 and Item 2 (Identifiler Direct) also Item 3 and Item 4 (Identifiler Plus) was carried out on Genetic Analyzer 3500xL. (ii) For electrophoresis of Yfiler (Item 1, Item 2, Item 3 and Item 4) was carried out on Genetic Analyzer 3130xL. 5. Quality Control: Reagent blank, positive and negative control were carried out through analysis and all gave intended results.
74C2HF	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.
792RBQ	reporting with stutter filters on
7AVFR2	^ indicates peaks below stochastic threshold as per [Laboratory] policy
7AW4E7	reporting with stutter filters on

TABLE 6

WebCode	Additional Comments
7NJCHC	Y Filer plus profile not produced for 1A-1 in error
7RYTMW	STRmix v2.4.06 was used for probabilistic genotyping of evidence samples with stutter filters turned off. Item 3: at D8S1179 elevated n+4 stutter (0.6%). Item 4: at TPOX heterozygote peak imbalance (58.15%)
7WBQ2B	reporting results with stutter filters on
82KBWN	The laboratory does not provide an allele table in the report, therefore this procedure is used only for reporting the results on 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 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. Genotype are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
8E7JLA	reporting results with stutter filters on
8M4FE7	Y-screening conducted on items 3 and 4. Male DNA was detected in items 3 and 4.
8PQYHP	Minifiler™ was also used to amplify item 4. Concordant results were obtained for item 4 with GlobalFiler™ and Minifiler™.
9KRZK6	Conducted amplification and typing from Y-screen lysate for Items 3 and 4. 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.
9L92M8	Part 1: Screening Tests - Performed only
9LMMYU	Samples analyzed for serology/screening only.
9TJEEB	reporting results with stutter filters on
9UD3TZ	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifier Direct kit while Item 3 and Item 4 were amplified using AmFISTR Identifier Plus kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1, Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3130xl for Item 1 and Item 2 (Identifier Direct), Item 3 and Item 4 (Identifier Plus) and Item 1, Item 2, Item 3 and Item 4 (Y-Filer). Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
A4ZLJH	Sample 4 amplified as a partial single source profile. Loci D16S539, CSF, TPOX, D22S1045, D7S820, SE33, D1S1656, D12S391, and D2S1338 all experienced drop out of alleles.
A8X4PX	Extraction: Item 3 and Item 4 were extracted using Automate Express™ Forensic DNA Extraction System with PrepFiler Express™ Kits. Quantification: Item 3 and Item 4 were quantified using the Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ 7500 Real-Time PCR Systems. Amplification: Item 1 and Item 2 were amplified using the AmpFLSTR™ Identifier™ Direct and YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the AmpFLSTR™ Identifier™ Plus and YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on Applied Biosystems™ 3500XL Genetic Analyzer and the data were analysed with GeneMapper® ID-X v1.5 software. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
AEU4XX	^ indicates peak below stochastic threshold per [Laboratory] policy
AGK63L	Reporting with stutter filters on.



TABLE 6

WebCode	Additional Comments
ARQRM8	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
AU7EPR	Probabilistic genotyping (STRmix) used for data analysis with stutter peaks filtered.
AY8GX2	Reporting results with stutter filters on.
B39ZJD	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.
BFD26G	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
CLCVWN	Serology testing only.
CRE2A7	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
DFR2EA	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.
DJ368K	Minifiler was also used to amplify item 4. Concordant results were obtained for all loci for GlobalFiler and Minifiler.
DTDGHA	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.
E6WKTZ	Reporting results with stutter filers on.
E9ZGLE	ID+ results are concordant with Fusion 6C results.
ET3DQP	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and 4 were extracted using DNA IQ Kit by Promega 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 STR Amplification Kit on ABI GeneAmp PCR System 9700. 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 and Item 2 (Identifiler Direct Kit) while Item 3 and Item 4 (Identifiler Plus Kit). 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.

TABLE 6

WebCode	Additional Comments
ETMQUU	FB analyst performed serological testing on items #3 and #4. DNA analyst performed KM testing on #3.
EXY472	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
EZLGXR	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 was extracted using DNA IQ kit by Promega 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 AmFISTR Identifiler Direct STR Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus STR Kit. 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 and Item 2 (Identifiler Direct Kit), while Item 3 and Item 4 (Identifiler Plus Kit). 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 incorporated throughout the analysis and all gave intended results.
FHZAGD	The Laboratory 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.
FUWFBC	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
G282UY	FB Analyst ([name]) performed KM and RSID testing for blood. DNA Analyst ([name]) performed KM testing for blood, only.
G669TW	Samples were screened for serological purposes only; no DNA testing was performed at this time.
GBXJGU	Reporting results with stutter filters on.
GYKJK2	Reported with stutter filters on.
HLL7J8	Phadebas test for amylase (presumptive for saliva) termed as inconclusive, as blood staining resulted in a coloured supernatant which may or may not have masked a blue coloured solution.
HNB3ZU	mRMP ITEM 1 = ITEM 3 = 5.18e+34. mRMP ITEM 2 = ITEM 4 = 3.23E+35
HND382	Items 3 and 4 were PSA tested to determine whether the samples should be sent differential or non-differential.
HW8BTT	Items 3 and 4 were PSA tested to see the correct extraction method to send the samples through.
JB68GR	Item-3: Single source DNA from a male donor. It matches the victim's DNA profile. Item-4: Single source DNA from a male donor. It matches the suspect's DNA profile.
JCHDZT	Y-Screening: Male DNA was indicated on items #3 and #4.
JMZWEX	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
KGQLKP	a-HuHb = testing by both ABACard Hematrace and ouchterlony
KZJT6U	Reporting results with stutter filters on
KZQXRW	Items 3 and 4 reported as 3-1 and 4-1, respectively.

TABLE 6

WebCode	Additional Comments
L6AP7P	reported with stutter filters on
MRXBCP	The profiles of ITEM 1 and ITEM 3 are coincidences between each other and they correspond to the same masculine individual with a probability at random of coincidence of 1 between $1.33 \times 10$ exponent 22 individuals therefore have the same biological origin. The profiles of ITEM 2 and ITEM 4 are coincidences between each other and they correspond to the same masculine individual with a probability at random of coincidence of 1 between $4.40 \times 10$ exponent 21 individuals therefore have the same biological origin.
N3J7KV	I can't remove the selection of 'other' for item 4, screening tests, page 2. No other serology tests were performed on this item.
NNYP8K	No DNA profiling undertaken.
P86LYF	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and 4 were extracted using DNA IQ Kit by Promega 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 STR Amplification Kit on ABI GeneAmp PCR System 9700. 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 and Item 2 (Identifiler Direct Kit) while Item 3 and Item 4 (Identifiler Plus Kit). 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.
PGC34T	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
PMXCYJ	Extraction: Item 3 and Item 4 were extracted using Chelex Extraction. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA quantitation kit and carried out by 7500 Real Time PCR. Amplification: Item 1 and Item 2 were amplified using AMPFISTR Identifiler Direct Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using AMPFISTR Identifiler Plus Kit on 9700 GeneAmp PCR System. Item 1 to Item 4 were amplified using AMPFLSTR YFiler Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
QZPZ64	The [Laboratory] does not provide an allele table in the report; therefore, this procedure is used only for reporting the results of proficiency tests.
R9GTPT	Item 3: A peak in the 10 region was observed at D18. This peak was below drop-in threshold and not reproducible. This was the only indication of a second contributor.
RMV67F	Concordant results generated with Fusion 6C and Fusion 6C Direct for items #1 and #2. Screening tests performed by qualified Forensic Biologist and samples transferred to DNA analyst (KM testing also performed by DNA analyst).
TMQ2YH	Results reported with stutter filters on.
TPQECA	Probabilistic genotyping (STRmix) used for data analysis with stutter peaks filtered.
TUTANW	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.

TABLE 6

WebCode	Additional Comments
U3ZDWT	Globalfiler Express was also used to analyze item 1. Concordant results were obtained with Globalfiler and Globalfiler Express. Minifiler was also used to amplify item 4. Concordant results were obtained with Globalfiler and Minifiler.
UDM2AU	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.
V9MD7R	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.
WVUXRD	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification Kit on the Applied Biosystems Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using the AmpFISTR Identifiler Direct PCR Amplification kit while Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification kit on the 9700 GeneAmp PCR system. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 1, Item 2, Item 3 and Item 4 using the AmpFISTR Y-Filer PCR Amplification kit on the 9700 GeneAmp PCR system. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
WWTWGG	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.
WJNX7Y	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.
WQYA4J	The probabilistic genotype software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.

TABLE 6

WebCode	Additional Comments
XGVQ2T	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.
XKMZ2F	Reporting results with stutter filters on
YREUCJ	reporting results with stutter filters on
YWFRCC	Items 3 and 4 were tested using Y-Screen. Both were positive.
YZE38C	Y-Screen was used to screen items of evidence in this case.
ZDZWYV	Minifiler was also used to amplify item 4. Concordant results were obtained with GlobalFiler and MiniFiler.

-End of Report-  
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

**Test No. 19-5703: Forensic Biology**

DATA MUST BE SUBMITTED BY **June 17, 2019, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: RNU6GL

The Accreditation Release section can be accessed by using the "Continue to Final Submission" button above. This information can be entered at any time prior to submitting to CTS.

**Scenario:**

Police are investigating the possible assault of a male victim. The victim claims he was walking home when a man approached him and asked him for money. When the victim refused, the man tackled him to the ground and beat him before running off. A bystander witnessed the scuffle and called the police who were able to apprehend the suspect. Investigators are submitting a stain from the shirt (Item 3) the suspect was wearing and a stain from the pants (Item 4) the victim was wearing. Also collected were known blood samples from the victim (Item 1) and the suspect (Item 2).

**Items Submitted (Sample Pack B3):**

Item 1: Known blood from the male victim

Item 2: Known blood from the male suspect

Item 3: Questioned stain from suspect's shirt (yellow)

Item 4: Questioned stain from victim's pants (blue)

### 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 tab. 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:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	KM, O-tol, PTMB
Semen	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	PSA
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other Specified Body Fluid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

Item 3:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>

Item 4:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>













### 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="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>
No		<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>
Inconclusive		<input type="radio"/>	<input type="radio"/>	Inconclusive	<input type="radio"/>
No Interpretation		<input type="radio"/>	<input type="radio"/>	No Interpretation	<input type="radio"/>

DNA interpretations not reported; samples analyzed for database purposes only:

### Part IV: ADDITIONAL COMMENTS

- Use this section to report 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 in the section 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.

**Please note:** Any additional formatting applied in the free form space below will not transfer to the Summary Report and may cause your information to be illegible. This includes additional spacing and returns that present your responses in lists and tabular formats.

## RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or 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 below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

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.**

Authorized Contact Person and Title

Laboratory Name

Location (City/State)