Forensic Biology Test No. 20-5706
Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains, which they were requested to analyze using their existing protocols. Data were returned from 327 participants and are compiled into the following tables:

__Manufacturer's Information__

Each sample pack consisted of two known bloodstains on white fabric (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, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Items 1 (75 μl) and 3 (50 μl) were created using blood collected from the same female donor. Item 2 (75 μl) was created using blood collected from a male donor. The stain in Item 4 (50 μl) was a mixture prepared from human whole blood from the Item 1 female donor and semen from the male donor used in Item 2. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 19, 2020 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 D7S820 D18S51 FGA vWA	D2S1338 D8S1179 D19S433 Penta D DYS391	D2S441 D10S1248 D21S11 Penta E DYS570	D3S1358 D12S391 D22S1045 SE33 DYS576	D5S818 D13S317 Amelogenin TH01 Y Indel	D6S1043 D16S539 CSF1PO TPOX
1	12,14 8,11 14,18 19,25 16,17	22,27 12,14 14,15 11,12 NM	10,14 14,15 30,31.2 5,13 NM	18,18 19,20 15,16 17,20 NM	12,13 9,14 X,X 8,9.3 NM	* 12,14 10,12 8,8
2	13,16 12,13 13,15 21,23 16,16	17,20 15,15 14.2,16.2 10,12 11	11,12 12,13 27,31.2 12,17 19	15,16 18,18 10,15 13.2,20 18	12,12 12,12 X,Y 8,9 2	* 11,13 10,12 7,11
3	12,14 8,11 14,18 19,25 16,17	22,27 12,14 14,15 11,12 NM	10,14 14,15 30,31.2 5,13 NM	18,18 19,20 15,16 17,20 NM	12,13 9,14 X,X 8,9.3 NM	* 12,14 10,12 8,8
4-Blood	12,14 8,11 14,18 19,25 16,17	22,27 12,14 14,15 11,12 NM	10,14 14,15 30,31.2 5,13 NM	18,18 19,20 15,16 17,20 NM	12,13 9,14 X,X 8,9.3 NM	* 12,14 10,12 8,8
4-Semen	13,16 12,13 13,15 21,23 16,16	17,20 15,15 14.2,16.2 10,12 11	11,12 12,13 27,31.2 12,17 19	15,16 18,18 10,15 13.2,20 18	12,12 12,12 X,Y 8,9 2	* 11,13 10,12 7,11

YSTR Results

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

Item	DYF387S1 DYS437 DYS518	DYS19 DYS438 DYS533	DYS385 DYS439 DYS549	DYS389-I DYS448 DYS570	DYS389-II DYS449 DYS576	DYS390 DYS456 DYS627	DYS391 DYS458 DYS635	DYS392 DYS460 DYS643	DYS393 DYS481 YGATAH4
2	34,35 15 40	14 12 12	11,14 13 13	13 19 19	29 29 18	25 16 19	11 17 23	13 11 10	13 22 12
4-Semen	34,35 15 40	14 12 12	11,14 13 13	13 19 19	29 29 18	25 16 19	11 17 23	13 11 10	13 22 12

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

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

Summary Comments

The 20-5706 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood from the same female donor. Item 2 was created using blood collected from a male donor. The stain in Item 4 was a mixture prepared using blood from the Item 1 female donor and semen from the male donor used in Item 2.

Data were returned by 327 participants.

Screening Test Results:

Screening results were returned by a total of 315 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 306 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, of the participants that returned results 283 reported "Negative" and two reported "Inconclusive". For the presence of saliva, all 109 participants that returned results reported "Negative".

For Item 4, all 307 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, of the participants that returned results 295 reported "Positive", one reported "Negative", and one reported "Inconclusive". For the presence of saliva, all 106 participants that returned results reported "Negative".

DNA Analysis Results:

Of the 316 participants that returned DNA results, 305 reported DNA interpretations. Of the eleven participants that did not provide DNA Interpretations, ten stated that the samples were only analyzed for database purposes, and one selected the "No Interpretations" option individually for all Interpretation questions. There were three participants who provided some DNA Interpretations, and marked "No Interpretations" on select items.

For the Item 3 stain, all 304 participants who reported interpretations included the victim (Item 1) and excluded the suspect (Item 2) as a possible contributor.

For the Item 4 stain, all 303 participants that reported interpretations in regards to Item 1 included the victim (Item 1) as a possible contributor. All 305 participants that reported interpretations in regards to Item 2 included the suspect (Item 2) as a possible contributor.

A total of 165 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. Some participants reporting the use of PG software stated in their additional comments that stutter peaks may be included in the DNA results.

Twenty additional participants reported allelic responses that differed from the consensus/predistribution results for one or more items. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

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 Item	Blood		Semen		Saliva		Other
2223XW							
Item 3	Pos	KM, TMB	Neg	AP	NT		
Item 4	Pos	KM, TMB	Pos	AP	NT		
22ZHG2							
Item 3	Pos	KM	Neg	AP, Micro	Neg	RSID	
Item 4	Pos	KM	Pos	AP, Micro	Neg	RSID	
23BK4Z							
Item 3	Pos	LMG	Neg	AP	NT		
Item 4	Pos	LMG	Pos	AP, Micro	NT		
2BQQVK							
Item 3	Pos	Hemastix	Neg	AP	NT		
Item 4	Pos	Hemastix	Pos	AP	NT		
2E2ED9							
Item 3	NT		NT		NT		Male DNA, Neg Y-Screen - Quant Trio
Item 4	NT		NT		NT		Male DNA, Pos Y-Screen - Quant Trio
2UGEAY							
Item 3	Pos	KM, Tak, HemaTrace	Neg	AP, p30, Micro	Neg	SALigAE	
Item 4	Pos	KM, Tak, HemaTrace	Pos	AP, p30, Micro	Neg	SALigAE	
2VTELF							
Item 3	Pos	KM	Neg	AP, Micro, PSA	Neg	Phadebas	
Item 4	Pos	KM	Pos	AP, Micro, PSA	Neg	Phadebas	
2XD2YG							
Item 3	Pos	O-tol	Neg	AP	NT		
Item 4	Pos	O-tol	Pos	AP, Micro	Neg	Phadebas	
2ZLJDY							
Item 3	Pos	O-tol, PMB	Neg	AP, p30	Neg	RSID	Menstrual Blood, Neg PMB
Item 4	Pos	O-tol, PMB	Pos	AP, p30, Micro	Neg	RSID	Menstrual Blood, Neg PMB
337M8U							
Item 3	Pos	LMG	Neg	ALS	NT		Human Blood, Pos RSID
Item 4	Pos	LMG	Pos	ALS, PSA, Micro	NT		Human Blood, Pos RSID

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
39ENQD				
Item 3	Pos KM, HemaTrace	NT	NT	
Item 4	Pos KM, HemaTrace	NT	NT	
3CFPTV				
Item 3	Pos LMG	Neg ALS, AP	NT	Human Blood, Pos RSID
Item 4	Pos LMG	Pos ALS, AP, Micro	NT	Human Blood, Pos RSID
3DV2JD				
Item 3	Pos KM	Neg ALS, FBB	NT	
Item 4	Pos KM	Pos ALS, FBB, PSA	NT	
3KPNFY				
Item 3	Pos FOB	Neg PSA	Neg RSID	
Item 4	Pos FOB	Pos PSA	Neg RSID	
3N7LT9				
Item 3	Pos KM, HemaTrace	Neg AP	Neg RSID-Saliva	
Item 4	Pos KM	Pos AP, Micro, PSA	Neg Phadebas	
3T6ZFX				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, p30	Neg SALIgAE	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, p30	Neg SALIgAE	
3WKX2M				
Item 3	NT	Neg AP		
Item 4	Pos O-tol	Pos AP		
3ZJ9WM				
Item 3	Pos O-tol ; HemaTrace	Neg AP ; PSA		
Item 4	Pos O-tol ; HemaTrace	Pos AP ; PSA		
49AFTW				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro	NT	
4CVXBH				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
4HZ8NH				
Item 3	Pos KM and HemaTrace	Neg AP	NT	
Item 4	Pos KM and HemaTrace	Pos AP, PSA Sperm search	NT	
4LGYB6				
Item 3	Pos TMB, HemaTrace	Neg AP	Neg RSID-Saliva	
Item 4	Pos TMB, HemaTrace	Pos AP, Micro	Neg RSID- Saliva	

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
4PGDEG				
Item 3	**Pos** KM, LMG, HemaTrace	**Neg** ALS, AP, PSA, Micro	**Neg** Saligae	
Item 4	**Pos** KM, LMG, HemaTrace	**Pos** ALS, AP, PSA, Micro	**Neg** Saligae	
4QU8RW				
Item 3	**Pos** O-tol	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** O-tol	**Pos** AP, PSA, Micro	NT	
4UAXCC				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA	**Neg** Phadebas	
4ZZPPU				
Item 3	**Pos** FOB, Peroxide Test	**Neg** AP, RSID, PSA, ALS	**Neg** RSID	
Item 4	**Pos** FOB, Peroxide Test	**Pos** AP, RSID, PSA, ALS	**Neg** RSID	
62BJUD				
Item 3	**Pos** LMG	**Neg** AP	**Neg** RSID	
Item 4	**Pos** LMG	**Pos** AP, PSA	**Neg** RSID	
63JVAU				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	
66NQ9K				
Item 3	**Pos** O-tol, HemaTrace	**Neg** PSA, AP	NT	
Item 4	**Pos** O-tol, HemaTrace	**Pos** PSA, AP	NT	
69PHAB				
Item 3	**Pos** KM	**Neg** AP	**Neg** PHADEBAS	**Human Blood, Pos** HemaTrace ABA card
Item 4	**Pos** KM	**Pos** AP/PSA	**Neg** PHADEBAS	**Human Blood, Pos** HemaTrace ABA card
6AEXB7				
Item 3	**Pos** KM	**Neg** AP, PSA	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
6C3AAB				
Item 3	**Pos** KM	**Neg** ALS, AP, Micro	**Neg** Phadebas	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	**Neg** Phadebas	
6FPRTW				
Item 3	**Pos** KM	**Neg** AP, Micro, p30	**Neg** Amylase	**Screen for Male DNA, Neg** NaOH Y screen
Item 4	**Pos** KM	**Pos** AP, Micro	NT	**Screen-Male DNA, Pos** NaOH Y screen

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
6FQC9R				
Item 3	Pos	Neg	Neg	Hemdirect +ve, Pos
Item 4	Pos	Pos	Neg	Microscope: +H, Pos
6M4X39				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	
6PFZ7F				
Item 3	Pos KM, Hemastix	Neg AP, PSA	NT	
Item 4	Pos KM, Hemastix	Pos AP, PSA, Micro	NT	
6RJ6Q8				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, PSA, Micro	Neg RSID	
6WEYN9				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
6WTLYW				
Item 3	Pos KM	Neg AP, Micro	Neg RSID	
Item 4	Pos KM	Pos AP, Micro	Neg RSID	
6XA6YF				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
6ZDXRU				
Item 3	Pos LMG, HemaTrace	Neg PSA, Micro	NT	
Item 4	Pos LMG, HemaTrace	Pos PSA, Micro	NT	
749J8F				
Item 3	Pos KM, HemaTrace	Neg AP	NT	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	NT	
7EVC47				
Item 3	Pos KM, HemaTrace	Neg AP, ALS	NT	
Item 4	Pos KM, HemaTrace	Pos AP, ALS, Micro, RSID-Semen	NT	
7FJG6C				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
7HPEMC				
Item 3	Pos KM, HT	Neg TMP	Neg RSID	
Item 4	Pos KM, HT	Pos TMP, PSA, Micro	Neg RSID	

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
7MK9KD				
Item 3	**Pos** KM, HemaTrace	**Neg** PSA	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** PSA, Micro	NT	
7NTLZU				
Item 3	**Pos** KM, HemaTrace	**Neg** Micro, AP, p30	**Neg** Amylase	
Item 4	**Pos** KM. HemaTrace	**Pos** Micro, AP, p30	**Neg** Amylase	
7PRWBJ				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
7Q3XXH				
Item 3	**Pos** PTMB	**Neg** AP	NT	
Item 4	**Pos** PTMB	**Pos** AP, Micro	NT	
7TAQW4				
Item 3	NT	NT	NT	**Male DNA Screen, Neg** Y-Screen Quant Trio
Item 4	NT	NT	NT	**Male DNA Screen, Pos** Y-Screen Quant Trio
7TNC9Q				
Item 3	**Pos** KM	**Neg** AP		
Item 4	**Pos** KM	**Pos** AP, Micro		
7VJ4UT				
Item 3	**Pos** KM, TMB	**Neg** AP	NT	
Item 4	**Pos** KM, TMB	**Pos** AP	NT	
7YWDRA				
Item 3	NT	NT	NT	**Y-Screening, Neg** Promega Casework Direct Kit, Custom
Item 4	NT	NT	NT	**Y-Screening, Pos** Promega Casework Direct Kit, Custom
7ZUZ98				
Item 3	**Pos** KM, HemDirect	**Neg** ALS, AP, PSA, Micro	NT	
Item 4	**Pos** KM, HemDirect	**Pos** ALS, AP, PSA, Micro	NT	
86JLTE				
Item 3	**Pos** LMG	**Neg** PSA	**Neg** RSID	
Item 4	**Pos** LMG	**Pos** PSA	**Neg** RSID	
88NEKR				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	

TABLE 1

Webcode Item	Blood	Fluid ID Semen	Saliva	Other
8AY8N8				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	
8E8GRU				
Item 3	**Pos** LMG	**Neg** AP	NT	
Item 4	**Pos** LMG	**Pos** AP, Micro	NT	
8ENQJA				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** RSID	
8KR6FR				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, p30, Micro	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, p30, Micro	NT	
8L3JU7				
Item 3	**Pos** KM, HemaTrace	NT	NT	
Item 4	**Pos** KM, HemaTrace	NT	NT	
8MJ4UQ				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro, PSA	NT	
92DK42				
Item 3	**Pos** KM, HemDirect	**Neg** AP, ALS, Y-Screen	NT	
Item 4	**Pos** KM, HemDirect	**Pos** AP, ALS, Micro, Y-Screen	NT	
942W38				
Item 3	**Pos** KM, HemaTrace	NT	NT	
Item 4	**Pos** KM, HemaTrace	NT	NT	
979E23				
Item 3	**Pos** KM	**Neg** PSA	**Neg** RSID	**Human Origin, Pos** Power Quant
Item 4	**Pos** KM	**Pos** PSA	NT	**Human Origin, Pos** Power Quant
97MXLZ				
Item 3	**Pos** KM, Luminol, HemDirect	**Neg** AP, ALS, Micro	**Neg** Amylase Diffusion	
Item 4	**Pos** KM, Luminol	**Pos** AP, ALS, Micro	**Neg** Amylase Diffusion	
99CAK7				
Item 3	**Pos** KM	**Neg** AP		**male screen, Neg** NaOH extraction
Item 4	**Pos** KM	**Pos** AP, Micro, PSA		**male screen, Pos** NaOH extraction

TABLE 1

| Webcode | Fluid ID | | | |
Item	Blood	Semen	Saliva	Other
9CCDED				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**NT**	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**NT**	
9G96KP				
Item 3	**Pos** LMG	**Neg** AP, Micro	**NT**	
Item 4	**Pos** LMG	**Pos** AP, Micro	**NT**	
9JXB32				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, Micro, PSA	**NT**	**Male DNA, Neg** Y-screen, Quant Trio
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, Micro, PSA	**NT**	**Male DNA, Pos** Y-screen, Quant Trio
9RR7VC				
Item 3	**Pos** Hemastix	**Neg** AP	**NT**	
Item 4	**Pos** Hemastix	**Pos** AP	**NT**	
9T2LAQ				
Item 3	**Pos** KM	**Neg** ALS, AP	**NT**	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	**NT**	
9TL2PT				
Item 3	**Pos** KM	**Neg** AP, PSA, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	**NT**	
9XRVJN				
Item 3	**Pos** LMG	**Neg** ALS & AP	**NT**	**Human Blood, Pos** RSID-Blood
Item 4	**Pos** LMG	**Pos** ALS, AP, Micro, & PSA	**NT**	**Human Blood, Pos** RSID-Blood
9XVQHG				
Item 3	**Pos** KM	**Neg** AP, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
9YMEMB				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** RSID	
A682TZ				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID Saliva	
Item 4	**Pos** KM, Takayama	**Pos** AP, Micro	**Neg** Phadebas	
ADLM36				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
AV7D24				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
AWCVZY				
Item 3	**Pos** Visual Exam, Luminol, KM	**Neg** ALS, AP, Micro	**Neg** Amylase Diffusion	
Item 4	**Pos** Visual Exam, Luminol, KM, HemDirect	**Pos** ALS, AP, Micro	**Neg** Amylase Diffusion	
AXQTKQ				
Item 3	**Pos** LMG	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** LMG	**Pos** AP, PSA, Micro	NT	
AZHRYP				
Item 3	**Pos** KM, HemaTrace	**Neg** PSA	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** PSA	**Neg** RSID	
B2RL49				
Item 3	**Pos** HemaTrace	**Neg** PSA	**Neg** RSID	
Item 4	**Pos** HemaTrace	**Pos** PSA, Micro	**Neg** RSID	
B6RWY9				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, p30	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, p30, Micro	**Neg** RSID	
B8UYK4				
Item 3	**Pos** KM, HB	**Neg** AP	NT	**Promega Casework Direct, Neg** Y-screen
Item 4	**Pos** KM, HB	**Pos** AP, Micro, PSA	NT	
B973NB				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
BAVZK2				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	NT	
BHAMVQ				
Item 3	**Pos** O-tol, HT	**Neg** Micro, PSA	**Neg** Phadebas	**screen for male DNA, Neg** NaOH Y screen
Item 4	**Pos** O-tol, HT	**Pos** Micro, PSA	**Neg** Phadebas	**screen for male DNA, Pos** NaOH Y screen
C2KX2L				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	

TABLE 1

Webcode		Fluid ID		
Item	**Blood**	**Semen**	**Saliva**	**Other**
C3YVLD				
Item 3	**Pos** O-tol, RSID	**Neg** AP, PSA	**NT**	
Item 4	**Pos** O-tol, RSID	**Pos** AP, PSA	**NT**	
C4AUGL				
Item 3	**Pos** KM, HemaTrace	**Neg** PSA, Micro	**Neg** RSID	**Male DNA, Neg** Y-screening
Item 4	**Pos** KM, HemaTrace	**Pos** PSA, Micro	**Neg** RSID	**Male DNA, Pos** Y-screening
C4NTH4				
Item 3	**Pos** KM	**NT**	**NT**	
Item 4	**Pos** KM	**NT**	**NT**	
C7UEBA				
Item 3	**Pos** PH	**Neg** ALS, AP	**NT**	
Item 4	**Pos** PH	**Pos** ALS, AP, Micro	**NT**	
C7WCY8				
Item 3	**Pos** KM	**Neg** AP, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
CECMY7				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro	**Neg** RSID	
CGFHHA				
Item 3	**Pos** LMG	**Neg** AP	**Neg** RSID	
Item 4	**Pos** LMG	**Pos** AP, PSA	**Neg** RSID	
CKC8WV				
Item 3	**Pos** KM	**Neg** AP	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
CMKMLA				
Item 3	**Pos** KM	**Neg** AP	**NT**	
Item 4	**Pos** KM	**Pos** AP & Micro	**NT**	
CMZHV2				
Item 3	**Pos** KM, HemaTrace	**NT**	**NT**	
Item 4	**Pos** KM, HemaTrace	**NT**	**NT**	
CP9YKE				
Item 3	**Pos** O-tol	**Neg** AP	**NT**	
Item 4	**Pos** O-tol	**Pos** AP, Micro	**NT**	
CVWDX7				
Item 3	**Pos** KM, HT	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HT	**Pos** AP, p30, Micro, ALS	**Neg** RSID	

TABLE 1

| Webcode | | Fluid ID | | |
Item	Blood	Semen	Saliva	Other
CXLAD7				
Item 3	**Pos** KM	**Neg** ALS, AP, p30, Micro	**Neg** Amylase, Micro	
Item 4	**Pos** KM	**Pos** ALS, AP, p30, Micro	**Neg** Amylase, Micro	
CZB2H3				
Item 3	**Pos** Combur (TMB), KM	**Neg** AP, PSA	**Neg** Phadebas	
Item 4	**Pos** Combur (TMB), KM	**Pos** AP, PSA, Micro	**Neg** Phadebas	
D2ZGJX				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, Micro	**Neg** RSID	
DDE2WL				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, Micro, PSA	NT	
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, Micro, PSA	NT	
DE7TT6				
Item 3	**Pos** KM, HemaTrace	**Neg** PSA	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** PSA, Micro	**Neg** RSID	
DEP4K7				
Item 3	**Pos** KM, ABAcard	NT	NT	
Item 4	**Pos** KM, ABAcard	**Pos** AP, p30	NT	
DGDFJC				
Item 3	**Pos** PTMB	**Neg** AP		
Item 4	**Pos** PTMB	**Pos** AP, Micro		
DKA8PM				
Item 3	**Pos** RSID (Bluestar OBTI)	**Neg** AP (Phosphatesmo KM), PSA (Bluestar Identi-PSA)	NT	
Item 4	**Pos** RSID (Bluestar OBTI)	**Pos** AP (Phosphatesmo KM), PSA (Bluestar Identi-PSA)	NT	
DMJL42				
Item 3	**Pos** KM, O-tol, HT	**Neg** p30, Sperm	NT	Screen for male DNA, Neg NaOH Y screen
Item 4	**Pos** KM, O-tol, HT	**Pos** p30, Sperm	NT	Screen for male DNA, Pos NaOH Y screen
DQJXY2				
Item 3	**Pos** OT pos, HT pos	**Neg** PSA neg, Micro neg	**Neg** Phadebas neg	Screen for Male DNA, Neg NaOH Y screen
Item 4	**Pos** OT pos, HT pos	**Pos** PSA pos, Micro pos	**Neg** Phadebas neg	Screen for Male DNA, Pos NaOH Yscreen
DVU3F8				
Item 3	**Pos** KM, HemaTrace	**Neg** ALS, AP	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** ALS, AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
DX2TX4				
Item 3	**Pos** KM	**NT**	**NT**	
Item 4	**Pos** KM	**Pos** AP	**NT**	
E6VQ86				
Item 3	**Pos** HemaTrace	**Neg** p30, MicroSperm	**Neg** RSID	
Item 4	**Pos** HemaTrace	**Pos** p30, MicroSperm	**Neg** RSID	
EB4L3L				
Item 3	**Pos** Hemastix, HemaTrace	**Neg** AP	**NT**	
Item 4	**Pos** Hemastix, HemaTrace	**Pos** AP, Micro	**NT**	
ECTMP2				
Item 3	**Pos** KM, HEMA	**Neg** AP	**NT**	
Item 4	**Pos** KM, HEMA	**Neg** AP	**NT**	
EJF7A4				
Item 3	**Pos** LMG	**Neg** AP	**Neg** RSID - Saliva	
Item 4	**Pos** LMG	**Pos** AP, PSA	**Neg** RSID - Saliva	
EJRAG2				
Item 3	**Pos** KM	**NT**	**NT**	
Item 4	**Pos** KM	**NT**	**NT**	
ELH9VY				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
EQYGJY				
Item 3	**Pos** ALS, KM, HemDirect	**Neg** ALS, AP, Micro	**Neg** ALS, RSID Saliva	
Item 4	**Pos** ALS, KM, HemDirect	**Pos** ALS, AP, Micro	**Neg** ALS, RSID Saliva	
EWKW64				
Item 3	**Pos** KM	**Neg** AP, Micro		
Item 4	**Pos** KM	**Pos** AP, Micro		
F2AVW6				
Item 3	**Pos** KM	**Neg** AP	**NT**	
Item 4	**Pos** KM	**Pos** AP, PSA	**NT**	
F6N33V				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	**NT**	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	**NT**	
FCBJN2				
Item 3	**Pos** O-tol	**Neg** ALS, AP	**NT**	
Item 4	**Pos** O-tol	**Pos** ALS, AP, Micro	**NT**	

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
FEEN9U				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
FFDHGZ				
Item 3	**Pos** Combur (TMB), KM	**Neg** AP, PSA	**Neg** Phadebas	
Item 4	**Pos** Combur (TMB), KM	**Pos** AP, PSA, Micro	**Neg** Phadebas	
FHY4RG				
Item 3	**Pos** HemaTrace	**Neg** PSA	NT	
Item 4	**Pos** HemaTrace	**Pos** PSA	NT	
FKKKA3				
Item 3	**Pos** ALS, O-tol	**Neg** ALS, AP, Micro	NT	
Item 4	**Pos** ALS, O-tol	**Pos** ALS, AP, Micro	NT	
FTY4CT				
Item 3	**Pos** Luminol, Phenolphthalin, HemDirect	**Neg** ALS, AP, Micro	**Neg** Amylase Diffusion	
Item 4	**Pos** Luminol, Phenolphthalin, HemDirect	**Pos** ALS, AP, Micro	**Neg** Amylase Diffusion	
FV4RT4				
Item 3	**Pos** KM, HemaTrace	**Neg** ALS, AP, PSA	**Neg** ALS, SALIgAE	
Item 4	**Pos** KM, HemaTrace	**Pos** ALS, AP, PSA, Micro	**Neg** ALS, SALIgAE	
G339UG				
Item 3	**Pos** KM, TMB	**Neg** AP	NT	
Item 4	**Pos** KM, TMB	**Pos** AP	NT	
G3JUBQ				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
G687BW				
Item 3	**Pos** KM and HemaTrace	NT	NT	
Item 4	**Pos** KM and HemaTrace	NT	NT	
G6NQC2				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
GBXJCK				
Item 3	**Pos** KM			
Item 4	**Pos** KM			
GG2MZX				
Item 3	**Pos** KM, HB HemDirect	**Neg** AP	NT	
Item 4	**Pos** KM, HB HemDirect	**Pos** AP, PSA, Micro	NT	

TABLE 1

Webcode		Fluid ID		
Item	Blood	Semen	Saliva	Other
GGH7ZH				
Item 3	**Pos** HemaTrace, KM	**Neg** PSA	**Neg** RSID	
Item 4	**Pos** HemaTrace, KM	**Pos** PSA	**Neg** RSID	
GJRN6L				
Item 3	**Pos** KM	**Neg** AP, ALS, Micro	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, ALS, Micro	**Neg** RSID	
GKHHVH				
Item 3	**Pos** KM, HemaTrace	**Neg** Micro, PSA	**Neg** RSID	**Male DNA, Inc** Y-screening
Item 4	**Pos** KM, HemaTrace	**Pos** Micro, PSA	**Neg** RSID	**Male DNA, Pos** Y-screening
GN4ZD3				
Item 3	**Pos** KM	**Neg** AP, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
H4TYQZ				
Item 3	**Pos** HemaTrace	**Neg** AP, Micro	**Neg** RSID	
Item 4	**Pos** HemaTrace	**Pos** AP, Micro	**Neg** RSID	
H6MPVU				
Item 3	**Pos** KM	**Neg** AP	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
H92MZV				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
HBZXPR				
Item 3	**Pos** KM	**Neg** RSID		
Item 4	**Pos** KM	**Pos** RSID		
HCM6K2				
Item 3	**Pos** KM	**Neg** PSA	**Neg** RSID	**Human Origin, Pos** PowerQuant
Item 4	**Pos** KM	**Pos** PSA	**Neg** RSID	**Human Origin, Pos** PowerQuant
HCMYUE				
Item 3	**Pos** Hemochromogen			**No hair found, Neg** Visual
Item 4	**Pos** Hemochromogen	**Pos** AP, Micro		**No hair found, Neg** Visual
HT9HPZ				
Item 3	**Pos** KM	**Neg** AP, ALS		
Item 4	**Pos** KM	**Pos** AP(inc), ALS, p30, Micro		

TABLE 1

Webcode	Fluid ID			
Item	Blood	Semen	Saliva	Other
HTUTN9				
Item 3	**Pos** O-tol	**Neg** ALS	NT	
Item 4	**Pos** O-tol	**Pos** ALS, AP, Micro	NT	
HVDF82				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
HXGBQ4				
Item 3	**Pos** KM	**Neg** AP, ALS		
Item 4	**Pos** KM	**Pos** AP, Micro		
J2X3DQ				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro, PSA	NT	
J3WWLW				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, ALS	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, ALS, Micro, RSID-Semen	NT	
J6X78X				
Item 3	**Pos** KM, HemaTrace	**Neg** p30	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** p30, Micro	**Neg** RSID	
J7ANLW				
Item 3	**Pos** KM	NT	NT	**Neg** ALS
Item 4	**Pos** KM	NT	NT	**Pos** ALS
JB7LYV				
Item 3	**Pos** KM,	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	
JE87U2				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
JNUEKW				
Item 3	**Pos** KM, HemDirect	**Neg** AP	NT	**Y-Screening, Neg** Promega Casework Direct Kit, Custom
Item 4	**Pos** KM, HemDirect	**Pos** AP, Micro, PSA	NT	**Y-Screening, Pos** Promega Casework Direct Kit, Custom
JU3RRV				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
JUWDPE				
Item 3	**Pos** KM, TMB	**Neg** AP	NT	
Item 4	**Pos** KM, TMB	**Pos** AP, Micro, PSA	NT	
JXHV8Y				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
JY74YR				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	NT	
K3T9PX				
Item 3	**Pos** O-tol	**Neg** AP	NT	
Item 4	**Pos** O-tol	**Pos** AP, Micro, ALS	NT	
K77JNZ				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro	NT	
K8FTCQ				
Item 3	**Pos** KM	**Neg** ALS, PSA	**Neg** RSID	**Human, Pos** PowerQuant
Item 4	**Pos** KM	**Pos** ALS, AP, PSA	**Neg** Phadebas	**Human, Pos** PowerQuant
KBKNCG				
Item 3		**Neg** PSA		
Item 4		**Pos** PSA		
KBZ8VD				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro, PSA	NT	
KGQH7C				
Item 3	**Pos** KM	**Neg** AP, Micro, ALS, PSA	NT	
Item 4	**Pos** KM	**Pos** AP, Micro, ALS, PSA	NT	
KJDYNW				
Item 3	**Pos** KM	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	**Neg** Phadebas	
KLLC4D				
Item 3	**Pos** KM, TMB	**Neg** AP	NT	
Item 4	**Pos** KM, TMB	**Pos** AP	NT	
KP2CAX				
Item 3	**Pos** KM, HT	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HT	**Pos** AP, Micro	**Neg** RSID	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
KUFGWE				
Item 3	**Pos** FOB	**Neg** PSA		
Item 4	**Pos** FOB	**Pos** PSA		
KY7Q7C				
Item 3	**Pos** HemaTrace	**Neg** ALS, RSID, AP, PSA, Sperm HyLiter	**Neg** ALS, RSID	
Item 4	**Pos** HemaTrace	**Pos** ALS, RSID, AP, PSA, Sperm HyLiter	**Neg** ALS, RSID	
L4YNFG				
Item 3	**Pos** KM	**Neg** AP, Micro	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, Micro	**Neg** RSID	
L8J3Y4				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
L8YWKQ				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Micro, PSA	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro, PSA	**Neg** Phadebas	
LBUDPD				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, PSA, Micro	NT	
LQCDVW				
Item 3	**Pos** KM, HemaTrace	**Neg** PSA, Micro	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** PSA, Micro	**Neg** RSID	
LQTRWE				
Item 3	**Pos** OT, HT, KM	**Neg** AP		
Item 4	**Pos** OT, HT, KM	**Pos** AP, Micro, PSA		
LUAMTY				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
LUNLUF				
Item 3	**Pos** KM	**Neg** AP, Micro	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, Micro	**Neg** RSID	
LW2L8W				
Item 3	**Pos** KM	NT	NT	
Item 4	**Pos** KM	NT	NT	
M299HD				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	

TABLE 1

| Webcode | Fluid ID | | | |
Item	Blood	Semen	Saliva	Other
M3JNWR				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
MAYL4B				
Item 3	**Pos** KM	**Neg** ALS, AP	**NT**	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	**NT**	
MBTCAQ				
Item 3	**Pos** KM, HemaTrace	**NT**	**NT**	
Item 4	**Pos** KM, HemaTrace	**NT**	**NT**	
MEEURB				
Item 3	**Pos** KM	**Neg** AP		
Item 4	**Pos** KM	**Pos** AP, Micro		
MGL7WR				
Item 3	**Pos** KM; HemDirect	**Neg** AP; PSA	**NT**	
Item 4	**Pos** KM; HemDirect	**Pos** AP; PSA; Micro	**NT**	
MJTHET				
Item 3	**Pos** visual, KM, ABAcard HemaTrace	**Neg** AP	**Neg** Phadebas press	
Item 4	**Pos** visual, KM, ABAcard HemaTrace	**Pos** AP, PSA	**Neg** Phadebas press	
MRXJPR				
Item 3	**Pos** OT, HT	**Neg** p30, Micro		**screen for Male DNA, Neg** NaOH Y-screen
Item 4	**Pos** OT, HT	**Pos** p30, Micro		**screen for Male DNA, Pos** NaOH Y-screen
MWEXHR				
Item 3	**Pos** KM and Combur (TMB)	**Neg** AP and PSA	**Neg** Phadebas	
Item 4	**Pos** KM and Combur(TMB)	**Pos** AP, PSA and Micro	**Neg** Phadebas	
N4B2ZV				
Item 3	**Pos** KM	**Neg** AP, PSA, Micro	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	**Neg** RSID	
N4NTMK				
Item 3	**NT**	**Neg** AP	**NT**	
Item 4	**NT**	**Pos** AP	**NT**	
N7D6LQ				
Item 3	**NT**	**Neg** AP	**NT**	
Item 4	**NT**	**Pos** AP	**NT**	

TABLE 1

Webcode		Fluid ID		
Item	**Blood**	**Semen**	**Saliva**	**Other**
NC424A				
Item 3	**Pos** KM, TMB	**Neg** AP, PSA	**NT**	
Item 4	**Pos** KM, TMB	**Pos** AP, PSA, Micro	**NT**	
NEQJLU				
Item 3	**Pos** KM	**Neg** AP, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
NF3PRN				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** RSID	
NJ4TJB				
Item 3	**Pos** KM	**Neg** ALS, AP	**NT**	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	**NT**	
NJJKM9				
Item 3	**Pos** PTMB	**Neg** PSA	**Neg** Saligae	
Item 4	**Pos** PTMB	**Pos** PSA	**Neg** Saligae	
NKD3AM				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	**NT**	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	**NT**	
NKHQ43				
Item 3	**Pos** O-tol	**Neg** AP		
Item 4	**Pos** O-tol, HemaTrace	**Pos** AP, PSA		
NNEXHQ				
Item 3	**Pos** KM	**NT**	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
P2YL6A				
Item 3	**Pos** LMG	**Neg** AP/ALS	**NT**	
Item 4	**Pos** LMG	**Pos** AP/Micro/ALS	**NT**	
P9XV4U				
Item 3	**Pos** KM, HemaTrace	**Inc** ALS, AP, Micro	**NT**	
Item 4	**Pos** KM, HemaTrace	**Inc** ALS, AP, Micro	**NT**	
PB32NM				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	**NT**	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	**NT**	
PBPUHR				
Item 3	**Pos** O-tol	**Neg** AP, ALS, Micro	**Neg** Micro	
Item 4	**Pos** O-tol	**Pos** AP, ALS, Micro	**Neg** Micro	

TABLE 1

Webcode Item	Blood		Semen		Saliva		Other
				Fluid ID			
PE2E9Q							
Item 3	**Pos**	KM	NT		NT		
Item 4	**Pos**	KM	NT		NT		
PE8WMC							
Item 3	**Pos**	LMG	**Neg**	AP, PSA, Micro	NT		
Item 4	**Pos**	LMG	**Pos**	AP, PSA, Micro	NT		
PGT2XV							
Item 3	**Pos**	KM	**Neg**	AP, Micro	NT		
Item 4	**Pos**	KM	**Pos**	AP, Micro	NT		
PHMWQC							
Item 3	**Pos**	KM, HemaTrace	**Neg**	AP, ABAcardp30, Micro	**Neg**	SALIgAE	
Item 4	**Pos**	KM, HemaTrace	**Pos**	AP, ABAcardp30, Micro	**Neg**	SALIgAE	
PKUERT							
Item 3	**Pos**	HemaTrace	**Neg**	p30			
Item 4	**Pos**	HemaTrace	**Pos**	p30, Micro			
PLN6VL							
Item 3	**Pos**	KM	NT		NT		**Human, Pos** PowerQuant
Item 4	**Pos**	KM	**Pos**	PSA	NT		**Human, Pos** PowerQuant
PNX2PQ							
Item 3	**Pos**	KM	**Neg**	ALS, FBB, PSA	NT		
Item 4	**Pos**	KM	**Pos**	ALS, FBB, PSA	NT		
PPMGRL							
Item 3	**Pos**	KM	NT		NT		**Human, Pos** PowerQuant
Item 4	**Pos**	KM	**Pos**	PSA	NT		**Human, Pos** PowerQuant
PRBTQR							
Item 3	**Pos**	Luminol, KM, HemDirect	**Neg**	ALS, AP	NT		
Item 4	**Pos**	KM	**Pos**	ALS, AP, Micro	NT		
PYD6MN							
Item 3	**Pos**	KM, HemaTrace	**Neg**	AP, PSA, Micro	**Neg**	Phadebas	
Item 4	**Pos**	KM, HemaTrace	**Pos**	AP, PSA, Micro	**Neg**	Phadebas	
Q3Q2UB							
Item 3	**Pos**	LMG, HemaTrace	**Neg**	ALS, AP	NT		
Item 4	**Pos**	LMG, HemaTrace	**Pos**	ALS, AP, Micro	NT		

TABLE 1

Webcode	**Fluid ID**			
Item	**Blood**	**Semen**	**Saliva**	**Other**
Q78N7V				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** ALS, SALIgAE	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** ALS, SALIgAE	
Q8MTZM				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
Q9DENR				
Item 3	**Pos** HemaTrace	NT	NT	
Item 4	**Pos** HemaTrace	**Pos** ALS, AP, PSA, Micro		
Q9XVLL				
Item 3	**Pos** KM, HemaTrace	**Neg** ALS, AP, Micro, PSA	**Neg** ALS, Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** ALS, AP, Micro, PSA	**Neg** ALS, Phadebas	
QCTMUH				
Item 3	**Pos** KM, HemDirect, Luminol	**Neg** ALS, AP, Micro	**Neg** Amylase Diffusion	
Item 4	**Pos** KM, HemDirect, Luminol	**Pos** ALS, AP, Micro	**Neg** Amylase Diffusion	
QE3HNM				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
QJFYNY				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
QJG3MW				
Item 3	**Pos** Phenolphthalein, HemaTrace	**Neg** AP	**Neg** SALIgAE	**Pos** ALS
Item 4	**Pos** Phenolphthalein, HemaTrace	**Pos** AP, Micro	**Neg** SALIgAE	**Pos** ALS
QP3PBU				
Item 3	**Pos** KM, HemaTrace	**Neg** ALS, AP, Micro	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** ALS, AP, Micro	NT	
QPJEJT				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** RSID	
QR9KYJ				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
QRQ2AY				
Item 3	**Pos** KM	**Neg** AP, Micro		
Item 4	**Pos** KM	**Pos** AP, Micro		

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
QXHRPN				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	
R3R68M				
Item 3	**Pos** KM	**Neg** ALS, FBB	NT	
Item 4	**Pos** KM	**Pos** ALS, FBB, PSA	NT	
R699LQ				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
R8VK69				
Item 3	**Pos** KM	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
R9CGX9				
Item 3	**Pos** HemDirect	**Neg** AP, Micro	NT	
Item 4	**Pos** HemDirect	**Pos** AP, Micro	NT	
RGMVHP				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro	NT	
RH2348				
Item 3	**Pos** LMG	**Neg** AP	NT	
Item 4	**Pos** LMG	**Pos** AP, Micro	NT	
RHZZ6A				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, PSA, Micro	NT	
RJWYEL				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, Micro	NT	
RQBU7A				
Item 3	**Pos** KM	**Neg** AP, Micro, ALS	**Neg** RSID	
Item 4	**Pos** KM	**Pos** AP, Micro, ALS	**Neg** RSID	
RTH3LL				
Item 3	**Pos** KM	**Neg** ALS, AP	NT	
Item 4	**Pos** KM	**Pos** ALS, AP, PSA	NT	
RWWMKU				
Item 3	**Pos** KM, HemaTrace	**Neg** ALS	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, ALS	NT	**Semen, Neg** Micro

TABLE 1

| Webcode | Fluid ID | | | |
Item	Blood	Semen	Saliva	Other
RXCWJM				
Item 3	**Pos** KM, Combur (TMB)	**Neg** AP, PSA	**Neg** Phadebas	
Item 4	**Pos** KM, Combur (TMB)	**Pos** AP, PSA, Micro	**Neg** Phadebas	
RY2CKH				
Item 3	**Pos** KM, Takayama	**Neg** AP	**Neg** Phadebas	
Item 4	**Pos** KM	**Pos** AP, Micro, p30	**Neg** RSID	
T2KQNH				
Item 3	**Pos** KM. HemaTrace	**Neg** AP, Seratec	**NT**	
Item 4	**Pos** KM. HemaTrace	**Pos** AP, Seratec, Micro	**NT**	
T2QBR9				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, Microscopy, p30	**Neg** Amylase radial Diffusion	
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, Microscopy, p30	**Neg** Amylase radial Diffusion	
TD2Z8P				
Item 3	**NT**	**Neg** ALS, AP, p30, Micro	**NT**	
Item 4	**NT**	**Pos** ALS, AP, p30, Micro	**NT**	
TTW7X8				
Item 3	**Pos** HemDirect	**Neg** AP	**NT**	
Item 4	**Pos** HemDirect	**Pos** AP, Micro, p30	**NT**	
TWC76R				
Item 3	**Pos** KM, HemaTrace	**Neg** AP		
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro		
TWRPM4				
Item 3	**Pos** KM	**Neg** AP	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro	**NT**	
TZDYPX				
Item 3	**Pos** O-tol	**Neg** AP, Micro, ALS	**NT**	
Item 4	**Pos** O-tol	**Pos** AP, Micro, ALS	**NT**	
TZXF6Z				
Item 3	**Pos** ALS, KM , OBTI	**Neg** ALS, PSA	**Neg** Phadebas test	
Item 4	**Pos** ALS, KM , OBTI	**Pos** ALS, PSA, AP	**Neg** Phadebas test	**Spermatozoid, Inc** Micro
U2KDW4				
Item 3	**Pos** Phenolphthalein	**Neg** RSID, AP	**Neg** SalIgAE	
Item 4	**Pos** Phenolphthalein	**Pos** RSID, AP	**Neg** SalIgAE	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
UDTTML				
Item 3	**Pos** TMB (Hemastix), HemaTrace	**Neg** ALS, AP, PSA, Micro	NT	
Item 4	**Pos** TMB (Hemastix), HemaTrace	**Pos** ALS, AP, PSA, Micro	NT	
UQGV6D				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	NT	
UTARRL				
Item 3	**Pos** KM	NT	NT	
Item 4	**Pos** KM	NT	NT	
UWUMJL				
Item 3	**Pos** KM, ABAcard HemaTrace	**Neg** AP	**Neg** Phadebas Press	
Item 4	**Pos** KM, ABAcard	**Pos** AP, p30	**Neg** Phadebas Press	
UZ9EJL				
Item 3	**Pos** KM	**Neg** AP, Micro, ALS	**Neg** ALS, Phadebas	
Item 4	**Pos** KM	**Pos** AP, Micro, ALS	**Neg** ALS, Phadebas	
UZVK78				
Item 3	**Pos** KM, HemaTrace	**Neg** Micro, AP, p30	**Neg** Micro, SALIgAE	
Item 4	**Pos** KM, HemaTrace	**Pos** Micro, AP, p30	**Neg** Micro, SALIgAE	
UZXYHE				
Item 3	**Pos**	**Neg**	NT	
Item 4	**Pos**	**Pos**		
V3A2UP				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Micro, ALS	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro, ALS	NT	
V3THU6				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Micro, p30	**Neg** SALIgAE	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Micro, p30	**Neg** SALIgAE	
V6KG83				
Item 3	**Pos** LMG	**Neg** ALS, AP	NT	**Human Blood, Pos** RSID
Item 4	**Pos** LMG	**Pos** ALS, AP, Micro, PSA	NT	**Human Blood, Pos** RSID
V8PAZG				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, Seratec	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, Seratec, Micro	NT	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
VAXPNU				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
VKBG2N				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
VP6HZG				
Item 3	**Pos** KM, HemDirect	**Neg** ALS, AP, Micro	**Neg** ALS, RSID Saliva	
Item 4	**Pos** KM, HemDirect	**Pos** ALS, AP, Micro	**Neg** ALS, RSID Saliva	
VRTUZM				
Item 3	**Pos** TMB	**Neg** ALS, AP	NT	
Item 4	**Pos** TMB	**Pos** ALS, AP, PSA, Micro	NT	
W2DLYK				
Item 3	**Pos** KM	**Neg** AP, Micro, ALS	**Neg** Phadebas, ALS	**Human DNA detected, Pos** Quantifiler Trio
Item 4	**Pos** KM	**Pos** AP, Micro, ALS	**Neg** Phadebas, ALS	**Human DNA detected, Pos** Quantifiler Trio
W3U62P				
Item 3	**Pos** Hemastix	**Neg** ALS	NT	
Item 4	**Pos** Hemastix	**Pos** ALS. AP	NT	
W7MYGH				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Microscopy	NT	
W9VGXM				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
WBKHMM				
Item 3	**Pos** KM, HemaTrace	NT ALS	NT	
Item 4	**Pos** KM, HemaTrace	**Pos** ALS, AP, PSA, Micro	NT	
WE38ZT				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
WEKKXH				
Item 3	**Pos** Combur (TMB), KM	**Neg** AP, PSA	**Neg** Phadebas	
Item 4	**Pos** Combur (TMB), KM	**Pos** AP, PSA, Micro	**Neg** Phadebas	
WFAZYD				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** RSID-Saliva	
Item 4	**Pos** KM	**Pos** AP, Micro, PSA	**Neg** Phadebas	

TABLE 1

Webcode		Fluid ID			
Item	**Blood**		**Semen**	**Saliva**	**Other**
WJA4TL					
Item 3	**Pos**	KM, HemaTrace	**Neg** AP, Micro, PSA, ALS	**Neg** PHADEBAS	**Y Screening, Neg** Quant Trio
Item 4	**Pos**	KM, HemaTrace	**Pos** AP, Micro, PSA, ALS	**Neg** PHADEBAS	**Y Screening, Pos** Quant Trio
WJXCYJ					
Item 3	**Pos**	KM	NT	NT	
Item 4	**Pos**	KM		NT	
WR49MM					
Item 3	**Pos**	KM, HemaTrace	**Neg** AP, p30, Mirco	**Neg** RSID	
Item 4	**Pos**	KM, HemaTrace	**Pos** AP, p30, Mirco	**Neg** RSID	
WR84JU					
Item 3	**Pos**	KM	NT	NT	
Item 4	**Pos**	KM	**Pos** AP, Micro	NT	
WRQAHK					
Item 3	**Pos**	O-tol	**Neg** AP, Micro, ALS	NT	
Item 4	**Pos**	O-tol	**Pos** AP, Micro, PSA, ALS	NT	
WV9CN6					
Item 3	**Pos**	LMG	**Neg** Micro, PSA	NT	
Item 4	**Pos**	LMG	**Pos** Micro, PSA	NT	
WY8MJ6					
Item 3	**Pos**	LMG, HemaTrace	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos**	LMG, HemaTrace	**Pos** AP, PSA, Micro	NT	
X8J24L					
Item 3	**Pos**	KM	**Neg** AP, Micro	NT	
Item 4	**Pos**	KM	**Pos** AP, Micro	NT	
X9REJ2					
Item 3	**Pos**	KM	NT	NT	
Item 4	**Pos**	KM	**Pos** AP, Micro	NT	
XA4LVN					
Item 3	**Pos**	KM, HT	**Neg** AP, PSA, Micro	**Neg** SALIgAE	**Visual exam, Pos** Visual exam +, ALS N
Item 4	**Pos**	KM, HT	**Pos** AP, PSA, Micro	**Neg** SALIgAE	**Visual Exam, Pos** ALS
XBJVUG					
Item 3	**Pos**	KM	**Neg** ALS, AP	NT	
Item 4	**Pos**	KM	**Pos** ALS, AP, Micro	NT	

TABLE 1

| Webcode | Fluid ID | | | |
Item	Blood	Semen	Saliva	Other
XCEV2M				
Item 3	**Pos** O-tol, Seratec PMB	**Inc** AP, Seratec PSA, Micro	**Neg** Seratec Amylase	
Item 4	**Pos** O-tol, Seratec PMB	**Pos** AP, Seratec PSA, Micro	**Neg** Seratec Amylase	
XFR7Y4				
Item 3	**Pos** KM	**Neg** Micro, AP, p30	**Neg** Amylase Diffusion plate	
Item 4	**Pos** KM	**Pos** Micro, AP, p30	**Neg** Amylase Diffusion plate	
XG67BK				
Item 3	**Pos** KM	**Neg** AP, Micro	**NT**	
Item 4	**Pos** KM	**Pos** AP, Micro, PSA	**NT**	
XGN9JL				
Item 3	**Pos** Hemastix	**NT**	**NT**	
Item 4	**Pos** Hemastix	**Pos** Acid Phosphatase	**NT**	
XHJ6D3				
Item 3	**Pos** KM	**Neg** ALS, AP		
Item 4	**Pos** KM	**Pos** ALS, AP, Micro		
XJCKHQ				
Item 3	**Pos** O-tol	**Neg** AP	**NT**	
Item 4	**Pos** O-tol	**Pos** AP	**NT**	
XJD2NH				
Item 3	**Pos** KM, ABAcard HemaTrace	**Neg** AP	**Neg** Phadebas Press	
Item 4	**Pos** KM, ABAcard HemaTrace	**Pos** AP, PSA	**Neg** Phadebas Press	
XMRTNH				
Item 3	**Pos** KM	**Neg** AP, ALS, Micro	**Neg** Phadebas, ALS	**Human DNA detected, Pos** Quantifiler Trio
Item 4	**Pos** KM	**Pos** AP, ALS, Micro	**Neg** Phadebas, ALS	**Human DNA detected, Pos** Quantifiler Trio
XN4BXF				
Item 3	**Pos** KM, HemDirect	**Neg** AP, PSA, Micro	**NT**	
Item 4	**Pos** KM, HemDirect	**Pos** AP, PSA, Micro	**NT**	
XTJVWN				
Item 3	**Pos** KM, HemaTrace	**NT**	**NT**	**Neg** ALS
Item 4	**Pos** KM	**Pos** AP, PSA, Micro	**NT**	**Pos** ALS
XTXMZL				
Item 3	**Pos** KM; HemaTrace	**Neg** ALS; AP; Micro	**NT**	
Item 4	**Pos** KM; HemaTrace	**Pos** ALS; AP; Micro	**NT**	

TABLE 1

| Webcode | | Fluid ID | | |
Item	Blood	Semen	Saliva	Other
XWCWVH				
Item 3	**Pos** TMB (Hemastix), HemaTrace	**Neg** ALS and AP	NT	
Item 4	**Pos** TMB (Hemastix), HemaTrace	**Pos** ALS, AP, p30, Micro	NT	
XZZYWJ				
Item 3	**Pos** KM	**Neg** AP, p30, Micro, ALS	NT	
Item 4	**Pos** KM	**Pos** AP, p30, Micro, ALS	NT	
Y624TD				
Item 3	**Pos** KM, HemaTrace	NT	NT	
Item 4	**Pos** KM, HemaTrace	NT	NT	
Y8D8XK				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP	NT	**Pos** ALS
Y98FZF				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
Y9LJD2				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Amylase	
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Amylase	
YC92VL				
Item 3	**Pos** KM	**Neg** AP	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
YFM92D				
Item 3	**Pos** KM, HemaTrace	**Neg** AP	**Neg** Phadebas	
Item 4	**Pos** KM	**Pos** AP, Micro, PSA	**Neg** Phadebas, RSID-Saliva	
YWDGEX				
Item 3	**Pos** KM	**Neg** AP, ALS	NT	
Item 4	**Pos** KM	**Pos** AP, ALS, PSA, Micro	NT	
YWT9DM				
Item 3	**Pos** LMG	**Neg** AP, PSA	**Neg** RSID	
Item 4	**Pos** LMG	**Pos** PSA	**Neg** RSID	
YY3H4Y				
Item 3	**Pos** LMG	**Neg** AP	NT	
Item 4	**Pos** LMG	**Pos** AP, Micro	NT	

TABLE 1

Webcode	Fluid ID			
Item	**Blood**	**Semen**	**Saliva**	**Other**
Z23F7Y				
Item 3	**Pos** KM, HemaTrace	**Neg** Micro, PSA	**Neg** RSID	**Male DNA, Neg** Y-screening
Item 4	**Pos** KM, HemaTrace	**Pos** Micro, PSA	**Neg** RSID	**Male DNA, Pos** Y-screening
Z7THXH				
Item 3	**Pos** HemaTrace	**Neg** AP	**Neg** RSID	
Item 4	**Pos** HemaTrace	**Pos** AP, Micro	NT	
ZDBVWG				
Item 3	**Pos** KM, HemaTrace	**Neg** AP, PSA, Micro	**Neg** Phadebas	
Item 4	**Pos** KM, HemaTrace	**Pos** AP, PSA, Micro	**Neg** Phadebas	
ZDWWUZ				
Item 3	NT	**Neg** p30, Micro	NT	
Item 4	NT	**Pos** p30, Micro	NT	
ZGUBHP				
Item 3	**Pos** KM	**Neg** AP, Micro	NT	
Item 4	**Pos** KM	**Pos** AP, Micro	NT	
ZPAWQT				
Item 3	**Pos** Bluestar OBTI- monoclonal anti-Human Hb antibodies	**Neg** PSA	NT	
Item 4	**Pos** BlustarOBTI- monoclonal anti-Human Hb antibodies	**Pos** PSA	NT	
ZYXK79				
Item 3	**Pos** LMG, HemaTrace	**Neg** AP, PSA, Micro	NT	**Male DNA, Neg** Y-screen
Item 4	**Pos** LMG, HemaTrace	**Pos** AP, PSA, Micro	NT	**Male DNA, Pos** Y-screen
ZZBGRZ				
Item 3	**Pos** LMG	**Neg** AP, PSA, Micro	NT	
Item 4	**Pos** LMG	**Pos** AP, PSA, Micro	NT	

Table 1: Serology Screening Response Summary		Item 3	Participants: 315
ITEM 3:	Blood	Semen	Saliva
Positive	**306**	**0**	**0**
Negative	**0**	**283**	**109**
Inconclusive	**0**	**2**	**0**
Not Tested (NT)	**8**	**28**	**185**
Not Reported	**1**	**2**	**21**

Table 1: Serology Screening Response Summary	Item 4		Participants: 315
ITEM 4:	Blood	Semen	Saliva
Positive	**307**	**295**	**0**
Negative	**0**	**1**	**106**
Inconclusive	**0**	**1**	**0**
Not Tested (NT)	**7**	**16**	**186**
Not Reported	**1**	**2**	**23**

Table 1: Serology Screening

STR Amplification Kit(s) & Results

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

2223XW	PowerPlex® Fusion 5C					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NR				
22ZHG2	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
23BK4Z	GlobalFiler™ Express					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
2BQQVK	GlobalFiler™ Express					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
2E2ED9	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
2HPQCE	GlobalFiler™ Express					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2UGEAY   PowerPlex® Fusion 6C (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

2VTELF   GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

2XD2YG   PowerPlex® Fusion 5C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

2ZLJDY   GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

337M8U   GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

39ENQD   GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

3CFPTV   GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

3DV2JD — GlobalFiler™

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

3KPNFY — GlobalFiler™

	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	-			-	

3N7LT9 — PowerPlex® Fusion 6C

	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

3T6ZFX — PowerPlex® Fusion 6C

	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

3WKX2M — Identifiler®

		22,27		18,18	12,13	
1	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

3ZJ9WM — Identifiler® Plus

		22,27		18,18	12,13	
1	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

49AFTW — GlobalFiler™

	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	ND			ND	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

4CVXBH — GlobalFiler™ Express

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17	NM			NM	

4DLTH4 — GlobalFiler™ Express

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

4HZ8NH — GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

4LGYB6 — GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

4PGDEG — GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

4QU8RW — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

4UAXCC — Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

4ZZPPU — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

62BJUD — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

63JVAU — PowerPlex® Fusion 6C Direct — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

66NQ9K — Identifiler® Plus — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

69PHAB — Identifiler® Plus — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

6AEXB7 — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

6FPRTW — GlobalFiler™ (STRmix) — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6FQC9R — Identifiler®

1		22,27		18,18	12,13	
	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

6M4X39 — GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

6PFZ7F — GlobalFiler™

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

6RJ6Q8 — PowerPlex® Fusion 6C

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

6UQMN4 — GlobalFiler™ Express

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

6WEYN9 — GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

6WTLYW — GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

6XA6YF — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	-
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	-	-	17,20	8,9.3	8
16,17	NM	-	-	NM	

6ZDXRU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

749J8F — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

7EVC47 — PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27		18,18	12,13	12,24.3
8,11	12,14		19,20	9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17					

7FJG6C — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

7HPEMC — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

7MK9KD — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

7NTLZU — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

7PRWBJ — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

7Q3XXH — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NA			NA	

7TAQW4 — GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

7VJ4UT — PowerPlex® Fusion 5C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17	NR				

7ZUZ98 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

86JLTE — Investigator® 24plex

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	INC				

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

88NEKR   PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8AY8N8   PowerPlex® Fusion 6C Direct (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8E8GRU   GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

8ENQJA   PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8KR6FR   GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No result			No result	

8L3JU7   GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

8MJ4UQ   GlobalFiler™ (STRMIX) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

92DK42 — GlobalFiler™

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

942W38 — GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

979E23 — PowerPlex® Fusion 6C

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

97MXLZ — GlobalFiler™ Express

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

99CAK7 — GlobalFiler™ (STRmix)

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

9CCDED — GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

9G96KP — GlobalFiler™ Express

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

9JXB32 — GlobalFiler™ (STRmix) — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9RR7VC — GlobalFiler™ Express — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9T2LAQ — PowerPlex® Fusion 6C — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

9TL2PT — GlobalFiler™ (STRmix) — Item 1

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

9XRVJN — GlobalFiler™ (STRmix) — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9XVQHG — GlobalFiler™ — Item 1

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

9YMEMB — PowerPlex® Fusion 6C — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

A682TZ — PowerPlex® Fusion 6C (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

A8XZ8Y — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

ABXB4Y — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

ADLM36 — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

AV7D24 — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

AWCVZY — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

AXQTKQ — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

TABLE 2

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

Item 1 - STR Results

AZHRYP — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

B2RL49 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

B6RWY9 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

B8UYK4 — GlobalFiler™ Express, RAPID HIT

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NID			NID	

B973NB — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17	NM			NM	

BAVZK2 — GlobalFiler™ Express (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

BHAMVQ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C2KX2L PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

C3YVLD Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

C4AUGL PowerPlex® Fusion 6C, GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

C4NTH4 GlobalFiler™ (STRMIX)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

C7UEBA GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

C7WCY8 GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

CECMY7 PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
WebCode	**Amplification Kits (Probabilistic Genotyping Software)**					
	D7S820	D8S1179	D10S1248	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

CF3TEW — GlobalFiler™ Express — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CGFHHA — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CKC8WV — Investigator® 24plex QS — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CMKMLA — GlobalFiler™ Express — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17	NM			NM	

CMZHV2 — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CP9YKE — PowerPlex® Fusion 5C — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

CVWDX7 — PowerPlex® Fusion 6C — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

CXLAD7 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

CZB2H3 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

D2ZGJX — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

DDE2WL — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

DE7TT6 — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

DEP4K7 — Identifiler® Plus — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

DGDFJC — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

DKA8PM   PowerPlex® Fusion System, NGM SElect

D1/D7/D18/FGA/vWA	D2/D8/D19/PentaD/DYS391	D2S441/D10/D21/PentaE/DYS570	D3/D12/D22/SE33/DYS576	D5/D13/Amel/TH01/YIndel	D6/D16/CSF1PO/TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

DMJL42   GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

DQJXY2   GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

DVU3F8   GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

DX2TX4   PowerPlex® ESI17

12,14	22,27	10,14	18,18		
	12,14	14,15	19,20		12,14
14,18	14,15	30,31.2	15,16	X,X	
19,25			17,20	8,9.3	
16,17					

E6VQ86   PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

EB4L3L   GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No result			No result	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

EJF7A4 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

EJRAG2 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

ELH9VY GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

EMUBZ7 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

EWKW64 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

F2AVW6 Identifiler® Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8
16,17					

F6N33V GlobalFiler™ Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	-			-	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FCBJN2 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

FEEN9U — Investigator® 24plex QS (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

FFDHGZ — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

FHY4RG — PowerPlex® PP21 (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27		18	12,13	12,24.3
8,11	12,14		19,20	9,14	12,14
14,18	14,15	30,31.2		X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

FKKKA3 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

FTY4CT — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

FV4RT4 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

G339UG PowerPlex® Fusion 5C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NR				

G3JUBQ Investigator® 24plex QS

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

G687BW GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

G6NQC2 GlobalFiler™

1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

GBXJCK GlobalFiler™ Express (STRmix)

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

GG2MZX GlobalFiler™ Express

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NID			NID	

GGH7ZH GlobalFiler™

1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GJRN6L — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

GKHHVH — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

GN4ZD3 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No Result			No Result	

H4TYQZ — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

H6MPVU — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

H92MZV — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

HBZXPR — PowerPlex® Fusion — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

HCM6K2 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

HCMYUE Identifiler® Plus

		22,27		18,18	12,13	
1	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

HT9HPZ GlobalFiler™

	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	No result			No result	

HTUTN9 PowerPlex® Fusion 5C

	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NT				

HVDF82 PowerPlex® Fusion 6C

	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

HXGBQ4 GlobalFiler™

	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

J2X3DQ Investigator® 24plex QS

	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	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

J3WWLW — PowerPlex® 21 (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27		18,18	12,13	12,24.3
8,11	12,14		19,20	9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17					

J6X78X — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

J7ANLW — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

JB7LYV — PowerPlex® Fusion 6C Direct (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

JE87U2 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

JU3RRV — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

JUWDPE — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17	NR				

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
JXHV8Y — GlobalFiler™						
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					
JY74YR — GlobalFiler™ Express (STRmix)						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	
K3T9PX — GlobalFiler™						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
K77JNZ — PowerPlex® Fusion 6C						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					
K8FTCQ — PowerPlex® Fusion 6C						
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					
KBKNCG — PowerPlex® 5C						
	12,14	22,27	10,14	18	12,13	--
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	--	8,9.3	8
	16,17	--	--	--	--	
KBZ8VD — GlobalFiler™						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	No Results			No Results	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

KGQH7C — GlobalFiler™ (STRmix) — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

KLLC4D — PowerPlex® Fusion 5C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17	NR				

KP2CAX — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

KUFGWE — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,18	-			-	

KY7Q7C — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

L4YNFG — GlobalFiler™ (STRmix) — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

L8J3Y4 — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

L8YWKQ — PowerPlex® Fusion 5C — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

LBUDPD — GlobalFiler™ — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

LQCDVW — PowerPlex® Fusion 6C — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

LQTRWE — GlobalFiler™ Express (STRmix) — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

LUAMTY — GlobalFiler™ — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

LUNLUF — GlobalFiler™ — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

LW2L8W — GlobalFiler™ — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no result			no result	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

M299HD — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

M3JNWR — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

MAYL4B — PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

MBTCAQ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

MEEURB — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

MGL7WR — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

MJTHET — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

MRXJPR — GlobalFiler™ (STRmix) Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

MWEXHR — GlobalFiler™ Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

N4B2ZV — PowerPlex® Fusion 6C Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

N4NTMK — GlobalFiler™ Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

N7D6LQ — GlobalFiler™ GlobalFiler Express Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NID			NID	

NC424A — GlobalFiler™ Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

NEQJLU — GlobalFiler™ Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

NF3PRN — PowerPlex® Fusion 6C

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

NJ4TJB — PowerPlex® Fusion 6C

Item						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

NJJKM9 — GlobalFiler™

Item						
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

NKD3AM — GlobalFiler™ Express (STRmix™)

Item						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

NKHQ43 — Identifiler® Plus

Item						
		22,27		18,18	12,13	
1	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

NNEXHQ — PowerPlex® Fusion 6C Direct

Item						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

P2YL6A — GlobalFiler™ Express

Item						
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

P9XV4U   PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

PB32NM   GlobalFiler™ (STRMIX)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	-			-	

PBPUHR   Investigator® 24plex (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

PDUZ3K   GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

PE2E9Q   GlobalFiler™ (STRmix v2.6)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

PE8WMC   GlobalFiler™

12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

PGT2XV   GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PHMWQC — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

PKUERT — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

PLN6VL — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

PNX2PQ — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

PPMGRL — PowerPlex® Fusion 6C — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

PRBTQR — GlobalFiler™ Express — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

PYD6MN — GlobalFiler™ — Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

Q3Q2UB   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Q78N7V   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

Q8MTZM   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Q9DENR   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

QCTMUH   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QE3HNM   PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

QJFYNY   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

QJG3MW — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QP3PBU — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

QPJEJT — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

QR9KYJ — Investigator® 24plex QS (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

QRQ2AY — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QXHRPN — PowerPlex® Fusion 6C Direct (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

R3R68M — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits	(Probabilistic Genotyping Software)			
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
Item	**D7S820**	**D8S1179**	**D10S1248**	**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

R699LQ — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

Item: 1

R8VK69 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

Item: 1

R9CGX9 — PowerPlex® Fusion 6C

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

Item: 1

RGMVHP — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

Item: 1

RH2348 — GlobalFiler™ Express

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Item: 1

RHD2XF — GlobalFiler™ Express

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Item: 1

RHZZ6A — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	N/R			N/R	

Item: 1

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

RJWYEL — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

RQBU7A — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

RTH3LL — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

RWWMKU — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17					

RXCWJM — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

RY2CKH — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

T2KQNH — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	-			-	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

T2QBR9 — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

TD2Z8P — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

TRH9DF — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TTW7X8 — PowerPlex® Fusion 6C (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

TWC76R — GlobalFiler™ (STRmix) (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TWRPM4 — PowerPlex® Fusion 6C (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TZDYPX — PowerPlex® Fusion (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

TZXF6Z — Identifiler® Plus

	22,27		18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X	10,12
19,25				8,9.3	8
16,17					

U2KDW4 — Investigator® 24plex

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

UDTTML — Investigator® 24plex GO!!

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	None				

UQGV6D — Investigator® 24plex QS

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

UTARRL — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

UWUMJL — Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

UZVK78 — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

UZXYHE — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17					

V3A2UP — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17	NR	NR	NR		

V3THU6 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

V6KG83 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

V8PAZG — GlobalFiler™ Express (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

VAXPNU — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

VKBG2N — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818 / D6S1043
	D7S820	D8S1179	D10S1248	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

VRTUZM — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

W2DLYK — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	no results			no results	

W3U62P — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

W9VGXM — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

WBKHMM — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

WE38ZT — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

WEKKXH — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WFAZYD — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

WJA4TL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

WJXCYJ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

WR49MM — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

WR84JU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

WRQAHK — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

WV9CN6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

WY8MJ6	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	NT
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	NT	NT	17,20	8,9.3	8,8
	16,17	NR	NT	NT	NR	

X8J24L	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	no results			no results	

X9REJ2	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

XA4LVN	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17					

XBJVUG	PowerPlex® Fusion 6C Direct					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

XCEV2M	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17					

XFR7Y4	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18,18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XG67BK — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

XGN9JL — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

XHJ6D3 — PowerPlex® Fusion 6C Direct (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

XJCKHQ — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

XJD2NH — Identifiler® Plus (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

XMRTNH — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	No Results			No Results	

XN4BXF — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WebCode / Item	D1/D7/D18/FGA/vWA	D2/D8/D19/Penta D/DYS391	D2S441/D10/D21/Penta E/DYS570	D3/D12/D22/SE33/DYS576	D5/D13/Amelogenin/TH01/Y Indel	D6/D16/CSF1PO/TPOX
XTJVWN — GlobalFiler™						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					
XTXMZL — PowerPlex® Fusion 6C						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17	NR	NR	NR		
XWCWVH — Investigator® 24plex GO!!						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17	none				
XZZYWJ — GlobalFiler™						
1	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	no results			no results	
Y624TD — GlobalFiler™						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
Y8D8XK — GlobalFiler™ Express						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
Y98FZF — PowerPlex® Fusion 6C Direct						
1	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

Y9LJD2 — GlobalFiler™ — Item 1

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

YC92VL — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

YFM92D — PowerPlex® Fusion 6C — Item 1

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

YWDGEX — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

YWT9DM — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

YY3H4Y — GlobalFiler™ Express — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Z23F7Y — GlobalFiler™ — Item 1

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

Z7THXH — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

ZDBVWG — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

ZDWWUZ — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

ZGUBHP — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

ZPAWQT — PowerPlex® Fusion 5C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17	-				

ZYXK79 — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

ZZBGRZ — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

ZZPFTG	PowerPlex® Fusion 5C					
	12,14	22,27	10,14	18	12,13	
1	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

2223XW PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17		8,9	7,11
	16	11				

22ZHG2 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

23BK4Z GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

2BQQVK GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

2E2ED9 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

2HPQCE GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

2UGEAY PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2VTELF GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

2XD2YG PowerPlex® Fusion 5C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

2ZLJDY GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

337M8U GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

39ENQD GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

3CFPTV GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

3DV2JD GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
Item	**D7S820**	**D8S1179**	**D10S1248**	**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

3KPNFY — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

3N7LT9 — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

3T6ZFX — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

3WKX2M — Identifiler®

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2		17,20		15,16	12,12	
	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

3ZJ9WM — Identifiler® Plus

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2		17,20		15,16	12,12	
	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

49AFTW — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

4CVXBH — GlobalFiler™ Express

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

4DLTH4	GlobalFiler™ Express					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11				

4HZ8NH	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

4LGYB6	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

4PGDEG	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

4QU8RW	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

4UAXCC	Identifiler® Plus					
		17,20		15,16	12,12	
2	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

4ZZPPU	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

62BJUD — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

63JVAU — PowerPlex® Fusion 6C Direct (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

66NQ9K — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

69PHAB — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

6AEXB7 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

6FPRTW — GlobalFiler™ (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

6FQC9R — Identifiler® (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

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

6M4X39	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

6PFZ7F	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

6RJ6Q8	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

6UQMN4	GlobalFiler™ Express					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11				

6WEYN9	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

6WTLYW	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

6XA6YF	GlobalFiler™ Express					
	13,16	17,20	11,12	15,16	12	-
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	-	-	13.2,20	8,9	7,11
	16	11	-	-	2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6ZDXRU — GlobalFiler™ — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

749J8F — GlobalFiler™ (STRmix) — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7EVC47 — PowerPlex® 21 — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20		15,16	12,12	18,18
12,13	15,15		18,18	12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16,16					

7FJG6C — GlobalFiler™ — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7HPEMC — PowerPlex® Fusion 6C — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

7MK9KD — PowerPlex® Fusion 6C — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

7NTLZU — PowerPlex® Fusion 6C — Item 2

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 2 - STR Results

7PRWBJ — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7Q3XXH — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7TAQW4 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

7VJ4UT — PowerPlex® Fusion 5C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

7ZUZ98 — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

86JLTE — Investigator® 24plex — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

88NEKR — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

8AY8N8 — PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

8E8GRU — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

8ENQJA — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

8KR6FR — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

8L3JU7 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

8MJ4UQ — GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

92DK42 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

942W38 GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

979E23 PowerPlex® Fusion 6C (Item 2)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

97MXLZ GlobalFiler™ Express (Item 2)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

99CAK7 GlobalFiler™ (STRmix) (Item 2)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9CCDED GlobalFiler™ (Item 2)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9G96KP GlobalFiler™ Express (Item 2)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9JXB32 GlobalFiler™ (STRmix) (Item 2)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

Item / WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

9RR7VC — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9T2LAQ — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

9TL2PT — GlobalFiler™ (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

9XRVJN — GlobalFiler™ (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9XVQHG — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

9YMEMB — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

A682TZ — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

TABLE 2

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

Item 2 - STR Results

A8XZ8Y — GlobalFiler™ Express

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

Item: 2

ABXB4Y — GlobalFiler™ Express

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

Item: 2

ADLM36 — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Item: 2

AV7D24 — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Item: 2

AWCVZY — GlobalFiler™ Express

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

Item: 2

AXQTKQ — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

Item: 2

AZHRYP — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Item: 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

B2RL49	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
B6RWY9	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
B8UYK4	GlobalFiler™ Express, RAPID HIT					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
B973NB	GlobalFiler™ Express					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
BAVZK2	GlobalFiler™ Express (STRmix)					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
BHAMVQ	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
C2KX2L	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

TABLE 2

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

Item 2 - STR Results

C3YVLD — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

C4AUGL — PowerPlex® Fusion 6C, GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18	2	

C4NTH4 — GlobalFiler™ (STRMIX) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

C7UEBA — GlobalFiler™ (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

C7WCY8 — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

CECMY7 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

CF3TEW — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

CGFHHA — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

CKC8WV — Investigator® 24plex QS — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

CMKMLA — GlobalFiler™ Express — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

CMZHV2 — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

CP9YKE — PowerPlex® Fusion 5C — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

CVWDX7 — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

CXLAD7 — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

CZB2H3 — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

D2ZGJX — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

DDE2WL — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

DE7TT6 — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

DEP4K7 — Identifiler® Plus — Item 2

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

DGDFJC — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

DKA8PM — PowerPlex® Fusion System, NGM SElect — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11				

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

DMJL42 — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DQJXY2 — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DVU3F8 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DX2TX4 — PowerPlex® ESI17 — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16		
	15,15	12,13	18,18		11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	
21,23			13.2,20	8,9	
16,16					

E6VQ86 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

EB4L3L — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

EJF7A4 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
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

EJRAG2 — GlobalFiler™ (STRmix) — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

ELH9VY — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

EMUBZ7 — PowerPlex® Fusion 6C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

EWKW64 — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

F2AVW6 — Identifiler® Direct — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20		15,16	12	
12,13	15			12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16					

F6N33V — GlobalFiler™ Express (STRmix) — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FCBJN2 — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FEEN9U — Item 2 — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

FFDHGZ — Item 2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

FHY4RG — Item 2 — PowerPlex® PP21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20		15,16	12	18
12,13	15		18	12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16					

FKKKA3 — Item 2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FTY4CT — Item 2 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FV4RT4 — Item 2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

G339UG — Item 2 — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

G3JUBQ	Investigator® 24plex QS					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11				
G687BW	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
G6NQC2	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
GBXJCK	GlobalFiler™ Express (STRmix)					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
GG2MZX	GlobalFiler™ Express					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
GGH7ZH	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
GJRN6L	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

TABLE 2

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

Amplification Kits (Probabilistic Genotyping Software)

Item 2 - STR Results

GKHHVH PowerPlex® Fusion 6C — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
D7S820 / ...	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

GN4ZD3 GlobalFiler™ — Item 2

	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

H4TYQZ PowerPlex® Fusion 6C — Item 2

	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

H6MPVU PowerPlex® Fusion 6C — Item 2

	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

H92MZV GlobalFiler™ — Item 2

	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

HBZXPR PowerPlex® Fusion — Item 2

	13,16	17,20	11,12	15,16	12	15
	12,13		12,13		12	11,13
	13,15		27,31.2		X,Y	10,12
		10,12	12,17	18	8,9	7,11
	16	11	14.2,16.2	21,23	10,15	

HCM6K2 PowerPlex® Fusion 6C — Item 2

	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

TABLE 2

WebCode / Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Amplification Kits (Probabilistic Genotyping Software)	D7S820	D8S1179	D10S1248	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

HCMYUE — Identifiler® Plus — Item 2

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,20		15,16	12,12	
	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

HT9HPZ — GlobalFiler™ — Item 2

	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

HTUTN9 — PowerPlex® Fision 5C — Item 2

	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17		8,9	7,[11]
	16	11				

HVDF82 — PowerPlex® Fusion 6C — Item 2

	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

HXGBQ4 — GlobalFiler™ — Item 2

	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

J2X3DQ — Investigator® 24plex QS — Item 2

	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11				

J3WWLW — PowerPlex® 21 — Item 2

	13,16	17,20		15,16	12,12	18,18
	12,13	15,15		18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23	10,12	12,17		8,9	7,11
	16,16					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

J6X78X	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
J7ANLW	GlobalFiler™ (STRmix)					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
JB7LYV	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
JE87U2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
JU3RRV	PowerPlex® Fusion 6C Direct					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
JUWDPE	PowerPlex® Fusion 5C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17		8,9	7,11
	16	11				
JXHV8Y	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	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

JY74YR GlobalFiler™ Express (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

K3T9PX GlobalFiler™

	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

K77JNZ PowerPlex® Fusion 6C

	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

K8FTCQ PowerPlex® Fusion 6C

	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

KBKNCG PowerPlex® 5C

	13,16	17,20	11,12	15,16	12	--
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	--	8,9	7,11
	16	11	--	--	--	

KBZ8VD GlobalFiler™

	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

KGQH7C GlobalFiler™ (STRmix)

	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	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

KLLC4D — PowerPlex® Fusion 5C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

KP2CAX — PowerPlex® Fusion 6C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

KUFGWE — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

KY7Q7C — GlobalFiler™ Express — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

L4YNFG — GlobalFiler™ (STRmix) — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

L8J3Y4 — GlobalFiler™ — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

L8YWKQ — PowerPlex® Fusion 5C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

LBUDPD — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

LQCDVW — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

LQTRWE — GlobalFiler™ Express (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

LUAMTY — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

LUNLUF — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

LW2L8W — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

M299HD — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

M3JNWR	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

MAYL4B	PowerPlex® Fusion 6C Direct					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

MBTCAQ	GlobalFiler™					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

MEEURB	PowerPlex® Fusion 6C					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

MGL7WR	GlobalFiler™ (STRmix)					
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

MJTHET	Identifiler® Plus					
2		17,20		15,16	12,12	
	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

MRXJPR	GlobalFiler™ (STRmix)					
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

MWEXHR — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

N4B2ZV — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

N4NTMK — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

N7D6LQ — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

NC424A — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

NEQJLU — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

NF3PRN — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

NJ4TJB	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

NJJKM9	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

NKD3AM	GlobalFiler™ Express (STRmix™)					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

NKHQ43	Identifiler® Plus					
		17,20		15,16	12,12	
2	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

NNEXHQ	PowerPlex® Fusion 6C Direct					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

P2YL6A	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

P9XV4U	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

TABLE 2

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

Item 2 - STR Results

PB32NM — GlobalFiler™ Express (STRMIX)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

PBPUHR — Investigator® 24plex (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11				

PDUZ3K — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

PE2E9Q — GlobalFiler™ (STRmix v2.6)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

PE8WMC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	2	

PGT2XV — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

PHMWQC — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

PKUERT — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

PLN6VL — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

PNX2PQ — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

PPMGRL — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

PRBTQR — GlobalFiler™ Express — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

PYD6MN — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Q3Q2UB — GlobalFiler™ Express — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

Q78N7V — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

Q8MTZM — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Q9DENR — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

QCTMUH — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QE3HNM — PowerPlex® Fusion 6C Direct — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

QJFYNY — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QJG3MW — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

QP3PBU — PowerPlex® Fusion 6C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

QPJEJT — PowerPlex® Fusion 6C — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

QR9KYJ — Investigator® 24plex QS — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

QRQ2AY — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QXHRPN — PowerPlex® Fusion 6C Direct — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

R3R68M — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

R699LQ — GlobalFiler™ — Item 2

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

R8VK69 — GlobalFiler™ (STRmix), Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

R9CGX9 — PowerPlex® Fusion 6C, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

RGMVHP — PowerPlex® Fusion 6C, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

RH2348 — GlobalFiler™ Express, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

RHD2XF — GlobalFiler™ Express, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

RHZZ6A — GlobalFiler™, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

RJWYEL — PowerPlex® Fusion 6C, Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

RQBU7A — GlobalFiler™ (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

RTH3LL — GlobalFiler™ (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

RWWMKU — GlobalFiler™ (STRmix) (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

RXCWJM — GlobalFiler™ (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

RY2CKH — PowerPlex® Fusion 6C (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

T2KQNH — GlobalFiler™ Express (STRmix) (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

T2QBR9 — GlobalFiler™ (Item 2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	NT
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	NT	NT	13.2,20	8,9	7,11
	16,16	11	NT	NT	2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

TD2Z8P — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TRH9DF — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

TTW7X8 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TWC76R — GlobalFiler™ (STRmix) — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TWRPM4 — PowerPlex® Fusion 6C — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TZDYPX — PowerPlex® Fusion — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

TZXF6Z — Identifiler® Plus — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12	
12,13	15			12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16					

TABLE 2

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

Amplification Kits (Probabilistic Genotyping Software)

Item 2 - STR Results

U2KDW4 — Investigator® 24plex (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12,12	
Row 2 (D7S820…)	12,13	15,15	12,13	18,18	12,12	11,13
Row 3 (D18S51…)	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4 (FGA…)	21,23			13.2,20	8,9	7,11
Row 5 (vWA…)	16,16	11				

UDTTML — Investigator® 24plex GO!! (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12	
Row 2	12,13	15	12,13	18	12	11,13
Row 3	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4	21,23			13.2,20	8,9	7,11
Row 5	16	11				

UQGV6D — Investigator® 24plex QS (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12	
Row 2	12,13	15	12,13	18	12	11,13
Row 3	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4	21,23			13.2,20	8,9	7,11
Row 5	16	11				

UTARRL — GlobalFiler™ (STRmix) (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12,12	
Row 2	12,13	15,15	12,13	18,18	12,12	11,13
Row 3	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4	21,23			13.2,20	8,9	7,11
Row 5	16,16	11			2	

UWUMJL — Identifiler® Plus (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1		17,20		15,16	12,12	
Row 2	12,13	15,15			12,12	11,13
Row 3	13,15	14.2,16.2	27,31.2		X,Y	10,12
Row 4	21,23				8,9	7,11
Row 5	16,16					

UZVK78 — PowerPlex® Fusion 6C (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12	
Row 2	12,13	15	12,13	18	12	11,13
Row 3	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4	21,23	10,12	12,17	13.2,20	8,9	7,11
Row 5	16	11	19	18		

UZXYHE — PowerPlex® Fusion (Item 2)

Locus group	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Row 1	13,16	17,20	11,12	15,16	12	
Row 2	12,13	15	12,13	18	12	11,13
Row 3	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
Row 4	21,23	10,12	12,17		8,9	7,11
Row 5	16	11				

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

V3A2UP — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

V3THU6 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

V6KG83 — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

V8PAZG — GlobalFiler™ Express (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

VAXPNU — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

VKBG2N — PowerPlex® Fusion 6C (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

VRTUZM — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

WebCode / Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
W2DLYK 2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
W3U62P 2	GlobalFiler™ Express					
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
W9VGXM 2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
WBKHMM 2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
WE38ZT 2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
WEKKXH 2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
WFAZYD 2	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WJA4TL — GlobalFiler™

Item						
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

WJXCYJ — GlobalFiler™ (STRmix)

Item						
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

WR49MM — PowerPlex® Fusion 6C

Item						
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

WR84JU — GlobalFiler™

Item						
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

WRQAHK — GlobalFiler™

Item						
2	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

WV9CN6 — GlobalFiler™

Item						
2	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

WY8MJ6 — GlobalFiler™

Item						
2	13,16	17,20	11,12	15,16	12,12	NT
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	NT	NT	13.2,20	8,9	7,11
	16,16	11	NT	NT	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

X8J24L	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
X9REJ2	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
XA4LVN	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
XBJVUG	PowerPlex® Fusion 6C Direct					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
XCEV2M	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
2	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
XFR7Y4	GlobalFiler™ (STRmix)					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
XG67BK	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
2	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XGN9JL — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

XHJ6D3 — PowerPlex® Fusion 6C Direct (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

XJCKHQ — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

XJD2NH — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

XMRTNH — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

XN4BXF — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

XTJVWN — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XTXMZL — Item 2 — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

XWCWVH — Item 2 — Investigator® 24plex GO!!

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

XZZYWJ — Item 2 — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

Y624TD — Item 2 — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Y8D8XK — Item 2 — GlobalFiler™ Express

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Y98FZF — Item 2 — PowerPlex® Fusion 6C Direct

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

Y9LJD2 — Item 2 — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	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

YC92VL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(Item 2)

YFM92D — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

(Item 2)

YWDGEX — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(Item 2)

YWT9DM — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(Item 2)

YY3H4Y — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(Item 2)

Z23F7Y — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(Item 2)

Z7THXH — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

(Item 2)

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

ZDBVWG — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ZDWWUZ — PowerPlex® Fusion 6C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

ZGUBHP — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

ZPAWQT — PowerPlex® Fusion 5C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16,16	11				

ZYXK79 — GlobalFiler™ (STRmix) (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ZZBGRZ — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

ZZPFTG — PowerPlex® Fusion 5C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2223XW — PowerPlex® Fusion 5C (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17	NR				

22ZHG2 — GlobalFiler™ (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14	21,22,26,27	10,14	17,18	12,13	
8,11	12,13,14	14,15	19,20	9,13,14	12,14
14,18	13,14,15	29,30,31.2	15,16	X	10,12
18,19,24,25			16,17,19,20	8,9.3	8
16,17					

23BK4Z — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

2BQQVK — GlobalFiler™ (STRmix v 2.4.06) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

2E2ED9 — GlobalFiler™ (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

2VTELF — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

2XD2YG — PowerPlex® Fusion 5C (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

2ZLJDY	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

337M8U	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

39ENQD	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

3CFPTV	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

3DV2JD	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

3KPNFY	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	-			-	

3N7LT9	PowerPlex® Fusion 6C					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

3T6ZFX	PowerPlex® Fusion 6C (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

3WKX2M	Identifiler®					
		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

3ZJ9WM	Identifiler® Plus					
		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

49AFTW	GlobalFiler™ (STRmix v2.4.06)					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	ND			ND	

4CVXBH	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17	NM			NM	

4HZ8NH	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

4LGYB6	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

4PGDEG	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

4QU8RW	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

4UAXCC	Identifiler® Plus					
		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

4ZZPPU	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

62BJUD	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

63JVAU	PowerPlex® Fusion 6C (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

66NQ9K	Identifiler® Plus					
		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WebCode / Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
69PHAB — Identifiler® Plus		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					
6AEXB7 — PowerPlex® Fusion 6C	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					
6FPRTW — GlobalFiler™ (STRmix)	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	
6FQC9R — Identifiler®		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					
6M4X39 — GlobalFiler™	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
6PFZ7F — GlobalFiler™	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					
6RJ6Q8 — PowerPlex® Fusion 6C	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6WEYN9 GlobalFiler™ — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

6WTLYW GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

6XA6YF GlobalFiler™ — Item 3

12,14	22,27	10,14	18	12,13	-
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	-	-	17,20	8,9.3	8
16,17	NM	-	-	NM	

6ZDXRU GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

749J8F GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

7EVC47 PowerPlex® 21 — Item 3

12,14	22,27		18,18	12,13	12,24.3
8,11	12,14		19,20	9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17					

7FJG6C GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

7HPEMC — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

7MK9KD — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

7NTLZU — PowerPlex® Fusion 6C (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

7PRWBJ — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

7Q3XXH — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NA			NA	

7TAQW4 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

7VJ4UT — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

TABLE 2

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

Item 3 - STR Results

86JLTE — Investigator® 24plex (STRmix 2.5.11) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	INC				

88NEKR — PowerPlex® Fusion 6C (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8AY8N8 — PowerPlex® Fusion 6C (STRMIX) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8E8GRU — GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

8ENQJA — PowerPlex® Fusion 6C — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

8KR6FR — GlobalFiler™ (STRmix v2.4) — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No result			No result	

8L3JU7 — GlobalFiler™ — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

8MJ4UQ GlobalFiler™ (STRMIX)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

(Item 3)

92DK42 GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

(Item 3)

942W38 GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

(Item 3)

979E23 PowerPlex® Fusion 6C (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

(Item 3)

97MXLZ GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

(Item 3)

99CAK7 GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

(Item 3)

9CCDED GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

(Item 3)

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

9G96KP — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9JXB32 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9RR7VC — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9T2LAQ — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

9TL2PT — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

9XRVJN — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

9XVQHG — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

9YMEMB   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

(Item: 3)

A682TZ   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

(Item: 3)

ADLM36   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

(Item: 3)

AV7D24   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

(Item: 3)

AWCVZY   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

(Item: 3)

AXQTKQ   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

(Item: 3)

AZHRYP   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

(Item: 3)

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

B2RL49 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

B6RWY9 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

B8UYK4 — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17	NID	NID	NID		

B973NB — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17	NM			NM	

BAVZK2 — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

BHAMVQ — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

C2KX2L — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C3YVLD — Identifiler® Plus

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

C4AUGL — PowerPlex® Fusion 6C, GlobalFiler™

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

C4NTH4 — GlobalFiler™ (STRMIX)

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

C7UEBA — GlobalFiler™ (STRmix)

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

C7WCY8 — GlobalFiler™ (STRmix 2.4)

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

CECMY7 — PowerPlex® Fusion 6C

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

CGFHHA — GlobalFiler™

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode / Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Amplification Kits (Probabilistic Genotyping Software)	D7S820	D8S1179	D10S1248	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

CKC8WV — Item 3 — Investigator® 24plex QS (STRmix v.2.6.3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CMKMLA — Item 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17	NM			NM	

CMZHV2 — Item 3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

CP9YKE — Item 3 — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,[20]	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

CVWDX7 — Item 3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

CXLAD7 — Item 3 — GlobalFiler™ (STRmix v.2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

CZB2H3 — Item 3 — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

D2ZGJX	PowerPlex® Fusion 6C				
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

DDE2WL	GlobalFiler™				
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

DE7TT6	PowerPlex® Fusion 6C				
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

DEP4K7	Identifiler® Plus				
		22,27		18,18	12,13	
3	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

DGDFJC	GlobalFiler™				
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

DKA8PM	PowerPlex® Fusion System, NGM SElect				
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

DMJL42	GlobalFiler™ (STRmix)				
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WebCode / Item						
DQJXY2	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	NR			NR	
DVU3F8	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
DX2TX4	PowerPlex® ES!17					
	12,14	22,27	10,14	18,18		
3		12,14	14,15	19,20		12,14
	14,18	14,15	30,31.2	15,16	X,X	
	19,25			17,20	8,9.3	
	16,17					
E6VQ86	PowerPlex® Fusion 6C					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					
EB4L3L	GlobalFiler™ (STRmix version 2.4)					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	No result			No result	
EJF7A4	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
EJRAG2	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

ELH9VY	GlobalFiler™					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

EWKW64	GlobalFiler™ (STRmix)					
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

F2AVW6	Identifiler® Plus					
3		22,27		18	12,13	
	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8
	16,17					

F6N33V	GlobalFiler™ (STRmix)					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

FCBJN2	GlobalFiler™					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

FEEN9U	Investigator® 24plex QS (STRmix)					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

FFDHGZ	Identifiler®					
3		22,27		18,18	12,13	
	8,11	12,14			9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25				8,9.3	8,8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

FHY4RG — PowerPlex® PP21

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27		18	12,13	12,24.3
	8,11	12,14		19,20	9,14	12,14
	14,18	14,15	30,31.2		X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17					

FKKKA3 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

FTY4CT — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

FV4RT4 — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

G339UG — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NR				

G3JUBQ — Investigator® 24plex QS (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

G687BW — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

G6NQC2   GlobalFiler™ (STRmix)   — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

GBXJCK   GlobalFiler™ (STRmix)   — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

GG2MZX   PowerPlex® Fusion 6C (STRmix version 2.6.2)   — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NID	NID	NID		

GGH7ZH   GlobalFiler™   — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

GJRN6L   GlobalFiler™ (STRmix)   — Item 3

12,13,14	21,22,26,27	10,13,14	17,18	11,12,13	
8,10,11	11,12,13,14	13,14,15	18,19,20	9,13,14	11,12,13,14
13,14,17,18	13,14,15	29,30,30.2,31.2	14,15,16,17	X	10,12
18,19,24,25			16,17,19,20	8,9.3	8
15,16,17					

GKHHVH   PowerPlex® Fusion 6C   — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

GN4ZD3   GlobalFiler™   — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No Result			No Result	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

H6MPVU — PowerPlex® Fusion 6C (STRMix) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

H92MZV — GlobalFiler™ — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

HBZXPR — PowerPlex® Fusion — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

HCM6K2 — PowerPlex® Fusion 6C (STRmix) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

HCMYUE — Identifiler® Plus — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

HT9HPZ — GlobalFiler™ (STRmix V2.4) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	No result			No result	

HTUTN9 — PowerPlex® Fusiom 5C — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,[15]	19,20	9,14	12,14
14,18	14,15	30,31.2	15,[16]	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17	NT				

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

HVDF82 — 3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

HXGBQ4 — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

J2X3DQ — 3 — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

J3WWLW — 3 — PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27		18,18	12,13	12,24.3
8,11	12,14		19,20	9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17					

J6X78X — 3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

J7ANLW — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

JB7LYV — 3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

JE87U2   GlobalFiler™ (STRmix)

3	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

JU3RRV   PowerPlex® Fusion 6C (STRmix)

3						
	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

JUWDPE   PowerPlex® Fusion 5C

3						
	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NR				

JXHV8Y   GlobalFiler™ (STRmix)

3						
	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

JY74YR   GlobalFiler™ (STRmix)

3						
	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

K3T9PX   GlobalFiler™

3						
	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

K77JNZ   PowerPlex® Fusion 6C

3						
	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

K8FTCQ   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

KBKNCG   PowerPlex® 5C

	12,14	22,27	10,14	18	12,13	--
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	--	8,9.3	8
	16,17	--	--	--	--	

KBZ8VD   GlobalFiler™

	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	No Results			No Results	

KGQH7C   GlobalFiler™ (STRmix)

	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

KLLC4D   PowerPlex® Fusion 5C

	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13		8,9.3	8
	16,17	NR				

KP2CAX   PowerPlex® Fusion 6C

	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

KUFGWE   GlobalFiler™

	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	-			-	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

KY7Q7C — 3 — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

L4YNFG — 3 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

L8J3Y4 — 3 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

L8YWKQ — 3 — PowerPlex® Fusion 5C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

LBUDPD — 3 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

LQCDVW — 3 — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

LQTRWE — 3 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

LUAMTY — GlobalFiler™ (STRmix) — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

LUNLUF — GlobalFiler™ (STRmix) — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
11,11.2,12,13,13.2,14	21,22,26,27	9,10,13,14	17,18	11,12,13	
7,8,10,11	11,12,13,14,15	13,14,15	18,19,20	8,9,13,14	11,12,13,14
13,14,17,18	13,14,15	29,30,30.2,31.2	14,15,16,17	X	9,10,11,12
18,19,24,25			16,16.2,17,18,19,19.2,20	7,8,9.3	7,8
15,16,17					

LW2L8W — GlobalFiler™ — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no result			no result	

M299HD — GlobalFiler™ — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

M3JNWR — GlobalFiler™ — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

MAYL4B — PowerPlex® Fusion 6C (STRmix) — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

MBTCAQ — GlobalFiler™ — Item 3

D1/D7/D18/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

MEEURB   PowerPlex® Fusion 6C (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

Item 3

MGL7WR   GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

Item 3

MJTHET   Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

Item 3

MRXJPR   GlobalFiler™ (STRmix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

Item 3

MWEXHR   Identifiler® Plus, MiniFiler

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

Item 3

N4B2ZV   PowerPlex® Fusion 6C

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

Item 3

N4NTMK   GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Item 3

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

N7D6LQ	PowerPlex® Fusion 6C (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17	NID	NID	NID		

NC424A	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

NEQJLU	GlobalFiler™ (STRmix)					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

NF3PRN	PowerPlex® Fusion 6C (STRmix)					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

NJ4TJB	PowerPlex® Fusion 6C (STRmix)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

NJJKM9	GlobalFiler™					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

NKD3AM	GlobalFiler™ (STRmix™)					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

NKHQ43 — Identifiler® Plus (Item 3)

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

NNEXHQ — PowerPlex® Fusion 6C (STRMix) (Item 3)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

P2YL6A — GlobalFiler™ (Item 3)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

PB32NM — GlobalFiler™ (STRMIX) (Item 3)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	-			-	

PBPUHR — Identifiler®, Investigator® 24plex (STRmix) (Item 3)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

PE2E9Q — GlobalFiler™ (STRmix v2.6) (Item 3)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

PE8WMC — GlobalFiler™ (Item 3)

12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

PGT2XV   GlobalFiler™ (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

PHMWQC   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

PKUERT   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

PLN6VL   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

PNX2PQ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

PPMGRL   PowerPlex® Fusion 6C (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

PRBTQR   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

PYD6MN — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Q3Q2UB — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Q78N7V — GlobalFiler™ (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

Q8MTZM — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,[26],27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Q9DENR — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

QCTMUH — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QE3HNM — PowerPlex® Fusion 6C (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

QJFYNY — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QJG3MW — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QP3PBU — 3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

QPJEJT — 3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

QR9KYJ — 3 — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

QRQ2AY — 3 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

QXHRPN — 3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

R3R68M — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

R699LQ — GlobalFiler™ (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

R8VK69 — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

R9CGX9 — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

RGMVHP — PowerPlex® Fusion 6C — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

RH2348 — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

RHZZ6A — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	N/R			N/R	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

RJWYEL PowerPlex® Fusion 6C (Strmix) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

RQBU7A GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	17,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	13,14,15	30,31.2	15,16	X	10,12
18,19,24,25			17,20	8,9.3	8
16,17					

RTH3LL GlobalFiler™ — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

RWWMKU GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17					

RXCWJM Identifiler® Plus — Item 3

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

RY2CKH PowerPlex® Fusion 6C — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

T2KQNH GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	-			-	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

T2QBR9 GlobalFiler™ (STRmix) — Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

TD2Z8P GlobalFiler™ (STRmix v2.4) — Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

TTW7X8 PowerPlex® Fusion 6C — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

TWC76R GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TWRPM4 PowerPlex® Fusion 6C (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

TZDYPX PowerPlex® Fusion — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

TZXF6Z Identifiler® Plus — Item 3

	22,27		18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X	10,12
19,25				8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

U2KDW4 — Investigator® 24plex — Item 3

12,14	21,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

UDTTML — Investigator® 24plex QS — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	None				

UQGV6D — Investigator® 24plex QS (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

UTARRL — GlobalFiler™ (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

UWUMJL — Identifiler® Plus — Item 3

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

UZVK78 — PowerPlex® Fusion 6C (STRmix) — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

UZXYHE — PowerPlex® Fusion — Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
V3A2UP	PowerPlex® Fusion 6C					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17	NR	NR	NR		
V3THU6	PowerPlex® Fusion 6C (STRmix)					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					
V6KG83	GlobalFiler™ (STRmix)					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
V8PAZG	GlobalFiler™ (STRmix)					
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17	-			-	
VAXPNU	GlobalFiler™ (STRmix)					
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17					
VKBG2N	PowerPlex® Fusion 6C (STRmix)					
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					
VRTUZM	PowerPlex® Fusion 6C					
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode	Amplification Kits	(Probabilistic Genotyping Software)			
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

W2DLYK — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	no results			no results	

W3U62P — GlobalFiler™ (STRmix v2.4.06)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

W9VGXM — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

WBKHMM — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

WE38ZT — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

WEKKXH — Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

WFAZYD — PowerPlex® Fusion 6C

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

WJA4TL — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

WJXCYJ — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

WR49MM — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

WR84JU — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

WRQAHK — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

WV9CN6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

WY8MJ6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	12,14	22,27	10,14	18,18	12,13	NT
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	NT	NT	17,20	8,9.3	8,8
	16,17	NR	NT	NT	NR	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

X8J24L — GlobalFiler™ (STRmix 2.4.06)

Item 3

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

X9REJ2 — GlobalFiler™ (STRmix)

Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

XA4LVN — GlobalFiler™ (STRmix)

Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

XBJVUG — PowerPlex® Fusion 6C (STRmix)

Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

XFR7Y4 — GlobalFiler™

Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

XG67BK — GlobalFiler™ (STRmix v2.5.11)

Item 3

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

XGN9JL — GlobalFiler™ (STRmix v 2.4.06)

Item 3

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

XHJ6D3 — Item 3 — PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

XJCKHQ — Item 3 — Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

XJD2NH — Item 3 — Identifiler® Plus

	22,27		18,18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X,X	10,12
19,25				8,9.3	8,8
16,17					

XMRTNH — Item 3 — GlobalFiler™

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	No Results			No Results	

XN4BXF — Item 3 — GlobalFiler™ (STR mix)

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8
16,17	NR			NR	

XTJVWN — Item 3 — GlobalFiler™ (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

XTXMZL — Item 3 — PowerPlex® Fusion 6C

12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

TABLE 2

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

Amplification Kits (Probabilistic Genotyping Software)

Item 3 - STR Results

XWCWVH — Investigator® 24plex QS (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17	none				

XZZYWJ — GlobalFiler™ (STRmix 2.4) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	no results			no results	

Y624TD — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Y8D8XK — GlobalFiler™ (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Y98FZF — PowerPlex® Fusion 6C (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17					

Y9LJD2 — GlobalFiler™ (STRmix) (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	NT
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	NT	NT	17,20	8,9.3	8,8
16,17	NR	NT	NT	NR	

YC92VL — GlobalFiler™ (Item 3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WebCode Item						
YFM92D	PowerPlex® Fusion 6C					
	12,14	22,27	10,14	18,18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					
YWDGEX	GlobalFiler™					
	12,14	22,26,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
YWT9DM	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
YY3H4Y	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
Z23F7Y	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					
Z7THXH	PowerPlex® Fusion 6C					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					
ZDBVWG	GlobalFiler™					
	12,14	22,27	10,14	18	12,13	
3	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

ZDWWUZ PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	17,20	8,9.3	8
16,17	NR	NR	NR		

Item: 3

ZGUBHP GlobalFiler™ (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

Item: 3

ZPAWQT PowerPlex® Fusion 5C (GenoProof Mixture v. 2 (Qualitype))

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13		8,9.3	8,8
16,17	-				

Item: 3

ZYXK79 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25			17,20	8,9.3	8
16,17					

Item: 3

ZZBGRZ GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17	NR			NR	

Item: 3

ZZPFTG PowerPlex® Fusion 5C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13		8,9.3	8
16,17					

Item: 3

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

2UGEAY PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

7ZUZ98 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8,8
	16,17	NR			NR	

H4TYQZ PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

P9XV4U PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	NR	11,12	5,13	17,20	8,9.3	8
	16,17	NR	NR	NR		

XCEV2M GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	12,14	22,27	10,14	18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25			17,20	8,9.3	8
	16,17					

TABLE 2

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

Item 3sp - STR Results

2UGEAY PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
			18		
19					

7ZUZ98 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
NR	NR	NR	NR	NR	
NR	NR	NR	NR	NR	NR
NR	NR	NR	NR	NR	NR
NR			NR	NR	NR
NR	NR		NR		

H4TYQZ PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043

P9XV4U PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
NT	NT	NT	NT	NT	
NT	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	NT
NT	NT	NT	NT		

XCEV2M GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
[12]	[22,27]	[10,14]	[18]	[12,13]	
[11]	[12,14]		[19,20]	[9,14]	[12]
[14,18]	[14,15]	[30,31.2]	[16]	X,X	[12]
[19,25]			[17]	8,9.3	[8]
[16]					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

39ENQD — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

4ZZPPU — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

8L3JU7 — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

942W38 — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

C4NTH4 — GlobalFiler™ (STRMIX)

12,14,16	17,22,27	10,12,14	15,18	12,13	
8,11,12	12,14,15	14,15	19,20	9,12,14	12,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,25			13.2,17,20	8,9,9.3	7,8
16,17	11			2	

CMZHV2 — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

EJRAG2 — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	8,11
16,17	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

G687BW — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

HBZXPR — PowerPlex® Fusion

12,13,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,13,14,15	12,23,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,(Y)	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17	11				

J7ANLW — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

KUFGWE — GlobalFiler™

12,[13],14,[16]	17,20,22,27	10,[11],[12],14	[15],[16],18	12,[13]	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,[14.2],15,[16.2]	[27],30,31.2	10,15,16	X,[Y]	10,12
19,21,23,25			13.2,17,20	8,[9],[9.3]	[7],8,[11]
16,17	11			2	

LW2L8W — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

MBTCAQ — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

PE2E9Q — GlobalFiler™ (STRmix v2.6)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	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

UTARRL — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

UZXYHE — PowerPlex®

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17	11				

WJXCYJ — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	13,14,15	18,19,20	9,12,14	11,12,13,14
14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

Y624TD — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

ZPAWQT — PowerPlex® Fusion 5C (GenoProof Mixture v. 2 (Qualitype))

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17	11				

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

2223XW — PowerPlex® Fusion 5C (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	11,12	5,13,[17]		8,9.3	[7],8,[11]
16,17	11				

22ZHG2 — GlobalFiler™ (STRmix) (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,26,27	10,11,12,13,14	15,16,17,18	12,13	
8,11,12,13	11,12,13,14,15	12,13,14,15	18,19,20	9,12,13,14	11,12,13,14
13,14,15,17,18	13,14,14.2,15,16.2	27,29,30,31.2	10,14,15,16	X,Y	10,12
18,19,21,23,24,25			13.2,16,17,19,20	8,9,9.3	7,8,11
15,16,17	11			2	

23BK4Z — GlobalFiler™ (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

2BQQVK — GlobalFiler™ (STRmix v 2.4.06) (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

2E2ED9 — GlobalFiler™ (STRmix) (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

2UGEAY — PowerPlex® Fusion 6C (STRmix) (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19			

2VTELF — GlobalFiler™ (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
Item	**D7S820**	**D8S1179**	**D10S1248**	**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

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
2XD2YG	PowerPlex® Fusion 5C (STRmix)					
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
	16,17	11				
2ZLJDY	GlobalFiler™					
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
337M8U	GlobalFiler™ (STRmix)					
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
3CFPTV	GlobalFiler™ (STRmix)					
4e	12,13,14	17,22,26,27	10,11,12,14	15,16,18	12,13	
	8,11	12,14,15	12,13,14,15	19,20	9,12,14	12,13,14
	14,15,18	14,15,16.2	30,31.2	10,15,16	X,Y	10,12
	19,23,25			17,20	8,9.3	8
	16,17	11			2	
3DV2JD	GlobalFiler™					
4e	12,13,14,16	17,20,22,[26],27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
3KPNFY	GlobalFiler™					
4e	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18,18	12,13	
	8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,X,[Y]	10,12
	19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,8,[11]
	16,17	[11]			[2]	
3N7LT9	PowerPlex® Fusion 6C					
4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

3T6ZFX	PowerPlex® Fusion 6C (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9.3	7,8,11
	16,17	11		18		
3WKX2M	Identifiler®					
		(17),(20),22,27		(15),(16),18,18	12,13	
4e	8,11,(13)	12,14,(15)			9,(12),14	(11),12,(13),14
	14,18	14,15	(27),30,31.2		X,X	10,12
	19,(21),(23),25				8,9.3	8,8
	16,17					
3ZJ9WM	Identifiler® Plus					
		17,20,22,27		15,16,18	12,13	
4e	8,11,12,13	12,14,15			9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,X,Y	10,12
	19,21,23,25				8,9,9.3	7,8,11
	16,17					
49AFTW	GlobalFiler™ (STRmix v2.4.06)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
4CVXBH	GlobalFiler™					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
4HZ8NH	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
4LGYB6	GlobalFiler™					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

TABLE 2

Item / WebCode — Amplification Kits (Probabilistic Genotyping Software)					
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	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

4PGDEG — GlobalFiler™ (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,[13],14	[17,20],22,27	10,[11],[12],14	[15,16],18	12,13	
8,11,[12,13]	12,14,[15]	[12,13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	[11]			[2]	

4QU8RW — GlobalFiler™ (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

4UAXCC — Identifiler® Plus (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

62BJUD — GlobalFiler™ (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

63JVAU — PowerPlex® Fusion 6C (STRmix) (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	11,12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,14,15,16	X,Y	10,11,12
19,21,23,25	10,11,12	5,12,13,17	13.2,16,17,19,20	8,9,9.3	7,8,11
16,17	11	19	18		

66NQ9K — Identifiler® Plus (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	(17),(20),22,27		(15),(16),18,18	12,13	
8,11,(12),(13)	12,14,(15)			9,(12),14	(11),12,(13),14
(13),14,(15),18	14,(14.2),15,(16.2)	(27),30,31.2		X,X,(Y)	10,12
19,(21),(23),25				8,(9),9.3	(7),8,8,(11)
16,17					

69PHAB — Identifiler® Plus (Item 4e)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	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

6AEXB7 — PowerPlex® Fusion 6c (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

6FPRTW — GlobalFiler™ (STRmix) (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

6FQC9R — Identifiler® (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

6M4X39 — GlobalFiler™ (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[20],22,27	10,[11,12],14	[15,16],18	12,13	
8,11,[12,13]	12,14,[15]	[12,13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	15,16	X,[Y]	10,12
19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

6PFZ7F — GlobalFiler™ (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

6RJ6Q8 — PowerPlex® Fusion 6C (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

6WEYN9 — GlobalFiler™ (Item 4e)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

6WTLYW — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

6XA6YF — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	-
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	-	-	13.2,17,20	8,9,9.3	7,8,11
16,17	11	-	-	2	

6ZDXRU — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,(11),12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

749J8F — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

7EVC47 — PowerPlex® 21 (STRmix)

12,14,16	20,22,27		15,16,18	12,13	12,18,24.3
8,11,12	12,14,15		18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15	27,30,31.2		X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8
16,17					

7FJG6C — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

7HPEMC — PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

7MK9KD	PowerPlex® Fusion 6C (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

7NTLZU	PowerPlex® Fusion 6C (STRmix)					
	12,13,14,16	17,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,15	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9.3	7,8,11
	16,17	11	19			

7PRWBJ	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

7Q3XXH	GlobalFiler™					
	[12,13,14,16]	[17,20],22,27	10,[11,12],14	[15,16],18	12,13	
4e	8,11,[12,13]	12,14,[15]	[12,13],14,15	[18,19,20]	[9,12,14]	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21,23],25			[13.2],17,20	[8,9,9.3]	[7],8,[11]
	[16,17]	[11]			[2]	

7TAQW4	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

7VJ4UT	PowerPlex® Fusion 6C (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

7ZUZ98	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

86JLTE　Investigator® 24plex (STRmix 2.5.11)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11				

88NEKR　PowerPlex® Fusion 6C (STRmix)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	16,18	12,13	
	8,11,12,13	12,14,15	12,14,15	18,19,20	9,12,14	11,12,14
	13,14,15,18	14,15	27,30,31.2	15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,13,17	13.2,17,20	8,9.3	7,8
	16,17					

8AY8N8　PowerPlex® Fusion 6C (STRMIX)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,13,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,14,15,16	X,Y	10,11,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

8E8GRU　GlobalFiler™ (STRmix)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

8ENQJA　PowerPlex® Fusion 6C (STRmix 2.6.1)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

8KR6FR　GlobalFiler™ (STRmix v2.4)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

8MJ4UQ　GlobalFiler™ (STRMIX)

Item						
4e	12,13,14,16	20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	14,15,18	14,15	27,30,31.2	10,15,16	X,Y	10,12
	19,23,25			13.2,17,20	8,9.3	7,8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

92DK42 — GlobalFiler™ — 4e

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

979E23 — PowerPlex® Fusion 6C (STRmix) — 4e

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

97MXLZ — GlobalFiler™ — 4e

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

99CAK7 — GlobalFiler™ (STRmix) — 4e

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

9CCDED — GlobalFiler™ (STRmix) — 4e

12,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9.3	7,8,11
16,17	11			2	

9G96KP — GlobalFiler™ (STRmix) — 4e

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

9JXB32 — GlobalFiler™ (STRmix) — 4e

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	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

9RR7VC — GlobalFiler™ (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

9T2LAQ — PowerPlex® Fusion 6C (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,14,16	17,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12	12,14,15	12,14,15	19,20	9,12,14	11,12,13,14
	14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,13,17	13.2,17,20	8,9,9.3	8,11
	16,17	11		18		

9TL2PT — GlobalFiler™ (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

9XRVJN — GlobalFiler™ (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

9XVQHG — GlobalFiler™ (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

9YMEMB — PowerPlex® Fusion 6C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

A682TZ — PowerPlex® Fusion 6C

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

ADLM36   GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

AV7D24   GlobalFiler™

12,[13],14,[16]	[17,20],22,27	10,[11,12],14	[15,16],18	12,13	
8,11,[12,13]	12,14,15	[12,13],14,15	18,19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

AWCVZY   GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

AXQTKQ   GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

AZHRYP   GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

B2RL49   PowerPlex® Fusion 6C (STRmix 2.6.1)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

B6RWY9   PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

B8UYK4 — PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11	19	18		

B973NB — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

BAVZK2 — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

BHAMVQ — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

C2KX2L — PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

C3YVLD — Identifiler® Plus

	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,X,X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

C4AUGL — PowerPlex® Fusion 6C, GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18	2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

C7UEBA — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

C7WCY8 — GlobalFiler™ (STRmix 2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

CECMY7 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,14,16	17,20,22,26,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,14,15	18,19,20	9,12,14	11,12,13,14
	14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	11,12	5,13,17	13.2,17,20	8,9,9.3	8,11
	16,17	11	19	18		

CGFHHA — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

CKC8WV — Investigator® 24plex QS (STRmix v.2.6.3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	11,12,13,14,16	17,20,21,22,26,27,Q	10,11,12,14	15,16,17,18	11,12,13,Q	
	8,10,11,12,13	11,12,13,14,15,Q	12,13,14,15,Q	18,19,20,Q	8,9,12,13,14,Q	11,12,13,14
	12,13,14,15,17,18,Q	14,14.2,15,16.2	27,29,30,30.2,31.2,Q	10,14,15,16,17,Q	X,Y	9,10,11,12,Q
	18,19,21,23,24,25,Q			13.2,16,16.2,17,18,19,19.2,20	7,8,9,9.3,Q	7,8,11
	15,16,17,Q	11				

CMKMLA — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

CP9YKE — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,[13],14	22,27	10,[11],14	[15,16],18	12,[13]	
	8,11	12,14,[15]	[12,13],14,[15]	[18],19,20	9,14	12,[13],14
	14,[15],18	14,15	[27],30,31.2	15,16	X,[Y]	10,12
	19,[21],25	11,12	5,13,[17]		8,9.3	[7],8
	16,17					

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

CVWDX7 — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

CXLAD7 — GlobalFiler™ (STRmix v.2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

CZB2H3 — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e		17,20,22,27		15,16,18	12,13	
	8,11,12,13	12,14,15			9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
	19,21,23,25				8,9,9.3	7,8,11
	16,17					

D2ZGJX — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

DDE2WL — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

DE7TT6 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

DEP4K7 — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e		17,20,22,27		15,16,18	12,13	
	8,11,12,13	12,14,15			9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
	19,21,23,25				8,9,9.3	8,11
	16,17					

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

DGDFJC	GlobalFiler™					
	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
4e	8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	[11]			[2]	

DKA8PM	PowerPlex® Fusion System, NGM SElect					
	12,14	22,27	10,14	18	12,13	
4e	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8
	16,17					

DMJL42	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

DQJXY2	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

DVU3F8	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

DX2TX4	PowerPlex® ESI17					
	12,14,[16]	[17,20],22,27	10,[11,12],14	[15,16],18,18		
4e		12,14,[15]	[12,13],14,15	[18],19,20		12,[13],14
	14,[15],18	14,[14.2],15,[16]	[27],30,31.2	[10],15,16	X,X,[Y]	
	19,[21,23],25			[13.2],17,20	8,[9],9.3	
	16,17					

E6VQ86	PowerPlex® Fusion 6C					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

TABLE 2

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

Item 4e - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
EB4L3L	GlobalFiler™ (STRmix version 2.4)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
EJF7A4	GlobalFiler™					
	12,13,14,16	17,22,27	10,11,14	16,18	12,13	
4e	8,11,12	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,18	14,14.2,15,16.2	30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8
	16,17	11			2	
ELH9VY	GlobalFiler™					
	12,[13],14,[16]	[17,20],22,27	10,[11,12],14	[15,16],18	12,[13]	
4e	8,11,[12,13]	12,14,15	[12,13],14,15	[17],18,19,20	9,12,14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	11			[2]	
EWKW64	GlobalFiler™ (STRmix)					
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	
F2AVW6	Identifiler® Plus					
		17,20,22,27		15,16,18	12,13	
4e	8,11,12,13	12,14,15			9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
	19,21,23,25				8,9,9.3	7,8,11
	16,17					
F6N33V	GlobalFiler™ (STRmix)					
	12,14,16	20,22,27	10,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	19,20	9,12,14	11,12,13,14
	14,18	14,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,25			13.2,17,20	8,9,9.3	8
	16,17	11			2	
FCBJN2	GlobalFiler™					
	12,13,14,16	[17,20],22,27	10,11,12,14	[15,16],18	12,13	
4e	8,11,[12,13]	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,21,23,25			[13.2],17,20	8,9,9.3	[7],8,[11]
	16,17	[11]			[2]	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

FEEN9U — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,12,13,14,Q	21,22,26,27,Q	10,11,12,14,Q	15,16,17,18,Q	11,12,13,Q	
7,8,10,11,12,Q	11,12,13,14,15,Q	12,13,14,15,Q	18,19,20,Q	8,9,12,13,14,Q	11,12,13,14,Q
13,14,17,18,Q	13,14,15,16.2,Q	27,29,30,30.2,31.2,Q	14,15,16,17,Q	X,Y	9,10,11,12,Q
18,19,21,23,24,25,Q			13.2,16,16.2,17,18,19,19.2,20,Q	8,9,9.3,Q	7,8,11,Q
15,16,17,Q					

FFDHGZ — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

FHY4RG — PowerPlex® PP21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27		15,16,18	12,13	12,18,24.3
8,11	12,14,15		18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	30,31.2		X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9.3	8
16,17					

FKKKA3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	[15,16],18	12,13	
8,11,[12,13]	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,[Y]	10,12
19,21,23,25			[13.2],17,20	8,9,9.3	[7],8,[11]
16,17	11			2	

FTY4CT — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

FV4RT4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

G339UG — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17	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 4e - STR Results

G3JUBQ Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	11,12,13	
8,11,12,13	12,13,14,15,Q	12,13,14,15	17,18,19,20,Q	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,29,30,30.2,31.2	10,14,15,16,17	X,Y	9,10,11,12
19,21,23,24,25,Q			13.2,16,17,19,20	8,9,9.3,Q	7,8,11
15,16,17	11				

G6NQC2 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

GBXJCK GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

GG2MZX PowerPlex® Fusion 6C (STRmix version 2.6.2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	[12],[13],14,15	18,19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11	19	18		

GGH7ZH GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

GJRN6L GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	21,22,26,27	10,11,12,14	15,16,17,18	12,13	
8,10,11,12,13	11,12,13,14,15	13,14,15	18,19,20	9,12,13,14	11,12,13,14
13,14,17,18	13,14,14.2,15,16.2	29,30,30.2,31.2	14,15,16,17	X,Y	10,11,12
18,19,23,24,25			16,17,19,20	8,9.3	7,8
15,16,17				2	

GKHHVH PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

GN4ZD3 — GlobalFiler™ — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

H4TYQZ — PowerPlex® Fusion 6C — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

H6MPVU — PowerPlex® Fusion 6C (STRMix) — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

H92MZV — GlobalFiler™ — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

HCM6K2 — PowerPlex® Fusion 6C (STRmix) — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

HCMYUE — Identifiler® Plus — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

HT9HPZ — GlobalFiler™ (STRmix v2.4) — 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

HTUTN9 — PowerPlex® Fusion 5C

	D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
4e	12,14	[20,22],27	[10,11,12],14	[15,16],18	12,[13]	
	8,11,[12,13]	12,14,15	[12,13],14,15	[18],19,[20]	9,[12],14	[11],12,[13],14
	[13],14,18	14,[14.2],15	[27],30,31.2	[10],15,16	X,[Y]	10,[12]
	19,[21,23],25	[10],11,12	5,13,[17]		8,[9],9.3	[7],8,[11]
	16,17	11				

HVDF82 — PowerPlex® Fusion 6C (STRmix)

4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

HXGBQ4 — GlobalFiler™ (STRmix)

4e	12,14	22,27	10,12,14	18	12,13	
	8,11,13	12,14,15	12,14,15	18,19,20	9,12,14	12,13,14
	14,18	14,14.2,15	30,31.2	10,15,16	X	10,12
	19,21,23,25			17,20	8,9,9.3	8
	16,17					

J2X3DQ — Investigator® 24plex QS (STRmix)

4e	11,12,13,14,16,Q	17,20,21,22,26,27,Q	10,11,12,14	15,16,17,18	11,12,13,Q	
	8,10,11,12,13,Q	11,12,13,14,15,Q	12,13,14,15	18,19,20,Q	9,12,14	11,12,13,14,Q
	13,14,15,17,18,Q	14,14.2,15,16.2	27,29,30,30.2,31.2	10,14,15,16,17,Q	X,Y	9,10,11,12
	18,19,21,23,24,25			13.2,16,16.2,17,19,19.2,20	8,9,9.3,Q	7,8,11
	15,16,17	11				

J3WWLW — PowerPlex® 21 (STRmix)

4e	12,14	22,27		18,18	12,13	12,24.3
	8,11	12,14		19,20	9,14	12,14
	14,18	14,15	30,31.2		X,X	10,12
	19,25	11,12	5,13		8,9.3	8,8
	16,17					

J6X78X — PowerPlex® Fusion 6C

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

JB7LYV — PowerPlex® Fusion 6C (STRmix)

4e	12,13,14	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,18	14,14.2,15,16.2	27,29,30,31.2	10,14,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13	13.2,16,17,19,20	8,9,9.3	7,8,11
	15,16,17			18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

JE87U2 — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

JU3RRV — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	11,12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,14,15,16	X,Y	10,11,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,16,17,19,20	8,9,9.3	7,8,11
	16,17	11	19	18		

JUWDPE — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
	16,17	11				

JXHV8Y — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

JY74YR — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

K3T9PX — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,[13]	
	8,11,12,13	[12,14],15	12,13,14,15	18,[19,20]	[9],12,[14]	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,[17]	11			2	

K77JNZ — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	8,11
	16,17	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

K8FTCQ — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

KBKNCG — PowerPlex® 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18	12,13	--
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X	10,12
19,25	11,12	5,13	--	8,9.3	8
16,17	--	--	--	--	

KBZ8VD — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	[15],[16],18	12,[13]	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	[27],[30],31.2	10,15,16	X,[Y]	10,12
19,21,23,25			13.2,17,20	8,[9],[9.3]	[7],8,[11]
16,[17]	11			2	

KGQH7C — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

KLLC4D — PowerPlex® 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	[10],11,12	5,[12],13,[17]		8,[9],9.3	[7],8,[11]
16,17	11				

KP2CAX — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

KY7Q7C — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)				
D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
D7S820	**D8S1179**	**D10S1248**	**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

L4YNFG — GlobalFiler™ (STRmix) — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14	17,20,22,26,27	10,11,14	15,16,17,18	12,13	
8,11,12	12,14,15	13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8
16,17	11			2	

L8J3Y4 — GlobalFiler™ (STRmix) — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

L8YWKQ — PowerPlex® Fusion 5C — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,(13),14,(16)	(17,20),22,27	10,(11,12),14	(15,16),18	12,(13)	
8,11,(12,13)	12,14,(15)	(12),14,15	18,19,20	9,(12),14	11,12,13,14
(13),14,(15),18	14,(14.2),15,(16.2)	(27),30,31.2	(10),15,16	X,(Y)	10,12
19,(21,23),25	(10),11,12	5,(12),13,(17)		8,(9),9.3	(7),8,(11)
16,17	11				

LBUDPD — GlobalFiler™ (STRmix) — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

LQCDVW — PowerPlex® Fusion 6C — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,13,17	13.2,17,20	8,9,9.3	8,11
16,17	11	19	18		

LQTRWE — GlobalFiler™ (STRmix) — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

LUAMTY — GlobalFiler™ (STRmix) — Item 4e

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode / Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Amplification Kits (Probabilistic Genotyping Software)	D7S820	D8S1179	D10S1248	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

LUNLUF — 4e — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,12,13,14,15,16	17,20,21,22,26,27	9,10,11,12,13,14	15,16,17,18	11,12,13	
7,8,10,11,12,13	11,12,13,14,15	12,13,14,15	18,19,20	8,9,11,12,13,14	11,12,13,14
13,14,15,17,18	13,14,14.2,15,16.2	27,29,30,30.2,31.2	10,14,15,16,17	X,Y	9,10,11,12
18,19,21,23,24,25			13.2,16,16.2,17,19,19.2,20	8,9,9.3	7,8,11
15,16,17	11			2	

M299HD — 4e — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

M3JNWR — 4e — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

MAYL4B — 4e — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

MEEURB — 4e — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	17,20,22,27	10,11,12,14	16,18	12,13	
8,11,12,13	12,14,15	14,15	18,19,20	9,12,14	12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	17,20	8,9,9.3	8,11
16,17	11	19			

MGL7WR — 4e — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

MJTHET — 4e — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

TABLE 2

WebCode Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

MRXJPR — GlobalFiler™ (STRmix)

4e	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

MWEXHR — Identifiler® Plus, MiniFiler

4e						
		17,20,22,27		15,16,18	12,13	
	8,11,12,13	12,14,15			9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
	19,21,23,25				8,9,9.3	7,8,11
	16,17					

N4B2ZV — PowerPlex® Fusion 6C (STRmix)

4e						
	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

N4NTMK — GlobalFiler™ (STRmix)

4e						
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	8,11
	16,17	11			2	

N7D6LQ — PowerPlex® Fusion 6C (STRmix)

4e						
	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
	8,11,[12],[13]	12,14,15	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	11	19	18		

NC424A — GlobalFiler™

4e						
	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
	8,11,[12],[13]	12,14,15	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	11			2	

NEQJLU — GlobalFiler™ (STRmix)

4e						
	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	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

NF3PRN — PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

NJ4TJB — PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

NJJKM9 — GlobalFiler™

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

NKD3AM — GlobalFiler™ (STRmix™)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

NKHQ43 — Identifiler® Plus

	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,X,X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

NNEXHQ — PowerPlex® Fusion 6C (STRMix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,15,16.2	27,30,31.2	10,15,16	X	10,12
19,21,23,25	11,12	5,12,13	13.2,17,19,20	8,9.3	7,8,11
16,17		19			

P2YL6A — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

P9XV4U   PowerPlex® Fusion 6C

12,14#	22,27#	10,14#	18	12,13	
8,11#	12,14#	14,15#	19,20#	9,14#	12,14#
14,18	14,15#	30,31.2	15,16	X	10,12
19,25#	11,12	5,13#	17,20#	8,9.3	8#
16,17	NR	NR	NR		

4e

PB32NM   GlobalFiler™ (STRMIX)

12,13,14,16	17,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8
16,17	11			2	

4e

PBPUHR   Investigator® 24plex (STRmix)

12,[13],14	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,Y	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11				

4e

PE8WMC   GlobalFiler™

12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18,18	12,13	NT
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,X,[Y]	10,12
19,[21],[23],25	NT	NT	[13.2],17,20	8,[9],9.3	[7],8,8,[11]
16,17	11	NT	NT	2	

4e

PGT2XV   GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

4e

PHMWQC   PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

4e

PKUERT   PowerPlex® Fusion 6C

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

4e

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

PLN6VL — PowerPlex® Fusion 6C (STRmix)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

(4e)

PNX2PQ — GlobalFiler™

12,[13],14,[16]	17,20,22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	[11]			[2]	

(4e)

PPMGRL — PowerPlex® Fusion 6C (STRMIX)

12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

(4e)

PRBTQR — GlobalFiler™

12,14,[16]	22,27	10,14	18,18	12,13	
8,11,[12,13]	12,14,[15]	14,15	[18],19,20	9,[12],14	12,14
14,[15],18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

(4e)

PYD6MN — GlobalFiler™

12,[13],14,[16]	17,[20],22,[26],27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	12,[13],14,15	18,19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],23,25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11			2	

(4e)

Q3Q2UB — GlobalFiler™

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

(4e)

Q78N7V — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

(4e)

TABLE 2

WebCode / Item — Amplification Kits (Probabilistic Genotyping Software)					
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	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

Q8MTZM — GlobalFiler™ (Item 4e)

D1S1656 etc.					
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

Q9DENR — GlobalFiler™ (Item 4e)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

QCTMUH — GlobalFiler™ (Item 4e)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

QE3HNM — PowerPlex® Fusion 6C (STRmix) (Item 4e)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	11,12,13	
8,11,12,13	12,13,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,30.2,31.2	10,14,15,16	X,Y	10,11,12
19,21,23,25	10,11,12	5,12,13,17	13.2,16,17,19,20	8,9.3	7,8,11
16,17		19	18		

QJFYNY — GlobalFiler™ (STRmix) (Item 4e)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

QJG3MW — GlobalFiler™ (STRmix) (Item 4e)

12,14	17,20,22,27	10,12,14	15,16,18	12,13	
8,11	12,14,15	12,13,14,15	19,20	9,12,14	12,14
13,14,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			17,20	8,9.3	7,8
16,17	11			2	

QP3PBU — PowerPlex® Fusion 6C (Item 4e)

12,14#	22,27#	10,14#	18#	12,13	
8,11#	12,14#	14,15#	19,20#	9,14#	12,14#
14,18#	14,15#	30,31.2#	15,16#	X#	10,12
19,25#	11,12#	5,13#	17,20#	8,9.3#	8#
16,17	NR#	NR#	NR#		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)				
Item	**D1S1656**	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

QPJEJT — PowerPlex® Fusion 6C (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

QR9KYJ — Investigator® 24plex QS (STRmix)

4e	11,12,13,14,16	17,20,22,27	10,11,12,14	15,16,17,18	11,12,13	
	8,11,12,13	12,13,14,15	12,13,14,15	17,18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,29,30,31.2	10,14,15,16,17	X,Y	9,10,11,12
	19,21,23,25			13.2,16.2,17,19,19.2,20	8,9,9.3	7,8,11
	15,16,17	11				

QRQ2AY — GlobalFiler™ (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

QXHRPN — PowerPlex® Fusion 6C (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

R3R68M — GlobalFiler™

4e	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
	8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,12,14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	[11]			[2]	

R699LQ — GlobalFiler™ (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

R8VK69 — GlobalFiler™ (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	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

R9CGX9 — PowerPlex® Fusion 6C

12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	8,[11]
16,17	[11]	[19]	[18]		

(Item 4e)

RGMVHP — PowerPlex® Fusion 6C

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

(Item 4e)

RH2348 — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

(Item 4e)

RHZZ6A — GlobalFiler™

12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18,18	12,13	
8,11,[12],[13]	12,14,15	12,13,14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,14.2,15,16.2	27,30,31.2	[10],15,16	X,X,[Y]	10,12
19,21,23,25			[13.2],17,20	8,[9],9.3	[7],8,8,[11]
16,17	11			2	

(Item 4e)

RJWYEL — PowerPlex® Fusion 6C (strmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

(Item 4e)

RQBU7A — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,26,27	10,11,12,14	15,16,17,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	13,14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
18,19,21,23,24,25			13.2,17,19,20	8,9,9.3	7,8,11
16,17	11			2	

(Item 4e)

RTH3LL — GlobalFiler™

12,[13],14,[16]	17,20,22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,21,23,25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	[11]			[2]	

(Item 4e)

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

RWWMKU — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	8,11
16,17	11			2	

RXCWJM — Identifiler® Plus (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

RY2CKH — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

T2KQNH — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
14,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	8,11
16,17	11			2	

T2QBR9 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	NT
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	NT	NT	13.2,17,20	8,9,9.3	7,8,11
16,17	11	NT	NT	2	

TD2Z8P — GlobalFiler™ (STRmix v2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	16,17,19,20,21,22,2 5,26,27	9,10,11,12,13,14	14,15,16,17,18,19	11,12,13,14	
7,8,10,11,12,13	11,12,13,14,15	12,13,14,15	17,18,19,20	8,9,10,12,13,14	11,12,13,14
12,13,14,15,17,18	13,14,14.2,15,16.2	27,29,30,30.2,31,31 .2	10,14,15,16,17	X,Y	9,10,11,12
18,19,21,23,24,25			12.2,13.2,17,20	7,8,9,9.3	7,8,11
15,16,17	11			2	

TTW7X8 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	11	19	18		

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	**D2S1338**	**D2S441**	**D3S1358**	**D5S818**	**D6S1043**
	D7S820	**D8S1179**	**D10S1248**	**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

TWC76R — GlobalFiler™ (STRmix) — 4e

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TWRPM4 — PowerPlex® Fusion 6C (STRmix) — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

TZDYPX — PowerPlex® Fusion — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
12,[13],14	[17,20],22,27	10,[11,12],14	[16],18	12,13	
8,[11,12,13]	12,14,[15]	[13],14,15	[18],19,20	[9,12],14	12,[13],14
[13],14,[15],18	14,15	[27],30,31.2	15,16	X,[Y]	[10],12
19,[23,25]	[10],11,12	5,13		8,[9],9.3	[7],8
16,17					

TZXF6Z — Identifiler® Plus — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
	22,27		18	12,13	
8,11	12,14			9,14	12,14
14,18	14,15	30,31.2		X	10,12
19,25				8,9.3	8
16,17					

U2KDW4 — Investigator® 24plex — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25			17,20	8,9.3	8,8
16,17					

UDTTML — Investigator® 24plex QS — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11				

UQGV6D — Investigator® 24plex QS (STRmix) — 4e

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...TH01/Y Indel	D6S1043/...
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	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 4e - STR Results

UWUMJL — Identifiler® Plus

	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

UZVK78 — PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9.3	7,8,11
16,17	11	19	18		

V3A2UP — PowerPlex® Fusion 6C

12,14#	22,27#	10,14#	18#	12,13	
8,11#	12,14#	14,15#	19,20#	9,14#	12,14#
14,18#	14,15#	30,31.2#	15,16#	X#	10,12
19,25	11,12#	5,13#	17,20#	8,9.3#	8#
16,17	NR#	NR	NR		

V3THU6 — PowerPlex® Fusion 6C (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11		18		

V6KG83 — GlobalFiler™ (STRmix)

12,14,16	17,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,14,15	19,20	9,12,14	11,12,13,14
14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	8,11
16,17	11			2	

V8PAZG — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

VAXPNU — GlobalFiler™ (STRmix)

12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	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

VKBG2N

4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

VRTUZM   PowerPlex® Fusion 6C

4e	12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
	8,11,[12],[13]	12,14,[15]	[12],[13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21],[23],25	[10],11,12	5,[12],13,[17]	[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	[11]	[19]	[18]		

W2DLYK   GlobalFiler™

4e	12,[13],14,[16]	[17,20],22,27	10,[11,12],14	[15,16],18	12,13	
	8,11,[12,13]	12,14,15	[12,13],14,15	18,19,20	9,12,14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
	19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
	16,17	[11]			[2]	

W3U62P   GlobalFiler™   (STRmix v 2.4.06)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

W9VGXM   GlobalFiler™

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

WBKHMM   GlobalFiler™   (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

WE38ZT   GlobalFiler™   (STRmix)

4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WEKKXH — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	[17],[20],22,27		[15],[16],18	12,13	
8,11,[12],[13]	12,14,[15]			9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2		X,[Y]	10,12
19,[21],[23],25				8,[9],9.3	[7],8,[11]
16,17					

WFAZYD — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,14	22,27	10,14	18,18	12,13	
8,11	12,14	14,15	19,20	9,14	12,14
14,18	14,15	30,31.2	15,16	X,X	10,12
19,25	11,12	5,13	17,20	8,9.3	8,8
16,17					

WJA4TL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

WR49MM — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

WR84JU — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

WRQAHK — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,[13],14,[16]	17,20,22,27	10,11,12,14	[15],[16],18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,[Y]	10,12
19,21,23,25			[13.2],17,20	8,9,9.3	[7],8,[11]
16,17	11			2	

WV9CN6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

WY8MJ6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18,18	12,13	NT
	8,11,[12],[13]	12,14,[15]	[12],[13],14,15	18,19,20	9,[12],14	[11],12,[13],14
	[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,X,[Y]	10,12
	19,[21],[23],25	NT	NT	[13.2],17,20	8,[9],9.3	[7],8,8,[11]
	16,17	11	NT	NT	2	

X8J24L — GlobalFiler™ (STRmix 2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

X9REJ2 — GlobalFiler™ (STRmix 2.6.3)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

XA4LVN — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

XBJVUG — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,14,15,16	X,Y	10,11,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,16,17,19,20	8,9,9.3	7,8,11
	16,17	11	19	18		

XCEV2M — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

XFR7Y4 — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	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

XG67BK — GlobalFiler™ (STRmix v2.5.11) — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	8,11
16,17	11			2	

XGN9JL — GlobalFiler™ (STRmix v 2.4.06) — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

XHJ6D3 — PowerPlex® Fusion 6C (STRmix) — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

XJCKHQ — Identifiler® Plus — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

XJD2NH — Identifiler® Plus — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20,22,27		15,16,18	12,13	
8,11,12,13	12,14,15			9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25				8,9,9.3	7,8,11
16,17					

XMRTNH — GlobalFiler™ — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,[13],14,[16]	[17],[20],22,27	10,[11],[12],14	[15],[16],18	12,13	
8,11,[12],[13]	12,14,15	[12],[13],14,15	18,19,20	9,12,14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	10,15,16	X,[Y]	10,12
19,[21],[23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17	[11]			[2]	

XN4BXF — GlobalFiler™ (STR mix) — Item 4e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

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

WebCode Amplification Kits (Probabilistic Genotyping Software)

Item 4e - STR Results

XTJVWN — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,13,14,16	17,20,22,27	10,12,14	15,16,18	12,13	
4e	8,11,13	12,14,15	12,14,15	18,19,20	9,12,14	12,14
	13,14,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9.3	8,11
	16,17	11			2	

XTXMZL — PowerPlex® Fusion 6C

	12,14#	22,27#	10,14#	18#	12,13	
4e	8,11#	12,14#	14,15#	19,20#	9,14	12,14#
	14,18#	14,15#	30,31.2#	15,16#	X#	10,12
	19,25#	11,12#	5,13#	17,20#	8,9.3#	8#
	16,17	NR#	NR#	NR#		

XWCWVH — Investigator® 24plex QS

	12,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11				

XZZYWJ — GlobalFiler™ (STRmix 2.4)

	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

Y8D8XK — GlobalFiler™ (STRmix)

	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

Y98FZF — PowerPlex® Fusion 6C (STRmix)

	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

Y9LJD2 — GlobalFiler™ (STRmix)

	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	NT
4e	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	NT	NT	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	NT	NT	2	

TABLE 2

WebCode / Item	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	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

YC92VL — GlobalFiler™

Item	D1/D7/D18/FGA/vWA	D2S1338/D8/D19/PentaD/DYS391	D2S441/D10/D21/PentaE/DYS570	D3/D12/D22/SE33/DYS576	D5/D13/Amel/TH01/YIndel	D6/D16/CSF1PO/TPOX
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

YFM92D — PowerPlex® Fusion 6C

Item						
4e	12,14	22,27	10,14	18,18	12,13	
	8,11	12,14	14,15	19,20	9,14	12,14
	14,18	14,15	30,31.2	15,16	X,X	10,12
	19,25	11,12	5,13	17,20	8,9.3	8,8
	16,17					

YWDGEX — GlobalFiler™

Item						
4e	12,13,14,16	17,20,22,26,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8
	16,17	11			2	

YWT9DM — GlobalFiler™

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8
	16,17	11			2	

YY3H4Y — GlobalFiler™ (STRmix)

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

Z23F7Y — GlobalFiler™

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
	16,17	11			2	

Z7THXH — PowerPlex® Fusion 6C

Item						
4e	12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
	8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
	13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
	19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
	16,17	11	19	18		

TABLE 2

WebCode	Amplification Kits (Probabilistic Genotyping Software)					
	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Item	D7S820	D8S1179	D10S1248	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

ZDBVWG   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,14	[17,20],22,27	10,[11,12],14	[15,16],18	12,13	
8,11,[12,13]	12,14,[15]	[12,13],14,15	[18],19,20	9,[12],14	[11],12,[13],14
[13],14,[15],18	14,[14.2],15,[16.2]	[27],30,31.2	[10],15,16	X,[Y]	10,12
19,[21,23],25			[13.2],17,20	8,[9],9.3	[7],8,[11]
16,17				2	

ZDWWUZ   PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17	13.2,17,20	8,9,9.3	7,8,11
16,17	11	19	18		

ZGUBHP   GlobalFiler™   (STRMix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

ZYXK79   GlobalFiler™   (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

ZZBGRZ   GlobalFiler™   (STRmix 2.4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	NR			NR	

ZZPFTG   PowerPlex® Fusion 5C   (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
8,11,12,13	12,14,15	12,13,14,15	18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17	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 4sp - STR Results

2223XW — PowerPlex® Fusion 5C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

22ZHG2 — GlobalFiler™ (STRmix)

13,16	17,20	10,11,12	14,15,16	11,12	
12,13	14,15	12,13	17,18	11,12	11,12,13
13,14,15	13.2,14.2,16.2	27,31.2	10,15	X,Y	10,12
20,21,22,23			12.2,13.2,19,20	8,9	7,11
15,16	10,11			2	

23BK4Z — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

2BQQVK — GlobalFiler™ (STRmix v 2.4.06)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

2E2ED9 — GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

2UGEAY — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

2VTELF — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

2XD2YG — 4sp — PowerPlex® Fusion 5C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17		8,9	7,11
	16	11				

2ZLJDY — 4sp — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,[14],16	17,20,[22,27]	11,12,[14]	15,16,[18]	12,12	
	[8],12,13	[12],15,15	12,13,[14,15]	18,18	12,12	11,[12],13
	13,15	14.2,16.2	27,[30],31.2	10,15	X,Y	10,12
	[19],21,23,[25]			13.2,[17],20	8,9,[9.3]	7,[8],11
	16,16	11			2	

337M8U — 4sp — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

3CFPTV — 4sp — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13,14	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

3DV2JD — 4sp — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,[14],16	17,20	11,12	15,16	12,[13]	
	12,13	[13],15	12,13	18	[9],12	11,13,[14]
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,[18],20	8,9	7,[8],11
	16	11			2	

3KPNFY — 4sp — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

3N7LT9 — 4sp — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

3T6ZFX — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

3WKX2M — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

3ZJ9WM — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

49AFTW — GlobalFiler™ (STRmix v2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

4CVXBH — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

4HZ8NH — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

4LGYB6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
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 4sp - STR Results

4PGDEG	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

4QU8RW	GlobalFiler™					
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

4UAXCC	Identifiler® Plus					
		17,20		15,16	12,12	
4sp	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

62BJUD	GlobalFiler™					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

63JVAU	PowerPlex® Fusion 6C (STRmix)					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

66NQ9K	Identifiler® Plus					
		17,20		15,16	12,12	
4sp	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

69PHAB	Identifiler® Plus					
		17,20		15,16	12,12	
4sp	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

TABLE 2

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

Item 4sp - STR Results

6AEXB7 — PowerPlex® Fusion 6c

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

6FPRTW — GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16,18	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9,9.3	7,11
16	11			2	

6FQC9R — Identifiler®

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

6M4X39 — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9,[9.3]	7,11
16	11			2	

6PFZ7F — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

6RJ6Q8 — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

6WEYN9 — GlobalFiler™

13,16	17,20	11,12	15,16	12,[13]	
12,13	15	12,13	18	12	11,13,[14]
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20,[21]	8,9	7,11
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 4sp - STR Results

6WTLYW — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

6XA6YF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	-
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	-	-	13.2,20	8,9	7,11
16	11	-	-	2	

6ZDXRU — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

749J8F — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7EVC47 — PowerPlex® 21 (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,16	17,20,22,27		15,16,18	12,13	12,18,24.3
8,11,12,13	12,14,15		18,19,20	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2		X,Y	10,12
19,21,23,25	10,11,12	5,12,13,17		8,9,9.3	7,8,11
16,17					

7FJG6C — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7HPEMC — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

7MK9KD — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

7NTLZU — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

7PRWBJ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7Q3XXH — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

7TAQW4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

7VJ4UT — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

7ZUZ98 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,16	17,20,22,27	10,11,12,14	15,16,18	12,13	
11,12,13	12,15	12,13,14,15	18,19	9,12,14	11,12,13,14
13,14,15,18	14,14.2,15,16.2	27,30,31.2	10,15,16	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

TABLE 2

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

Item 4sp - STR Results

86JLTE — Investigator® 24plex (STRmix 2.5.11)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11				

88NEKR — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

8AY8N8 — PowerPlex® Fusion 6C (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

8E8GRU — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

8ENQJA — PowerPlex® Fusion 6C (STRmix 2.6.1)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

8KR6FR — GlobalFiler™ (STRmix v2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

8MJ4UQ — GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	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 4sp - STR Results

92DK42 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

979E23 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

97MXLZ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

99CAK7 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	9,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9CCDED — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9G96KP — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

9JXB32 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
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 4sp - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
9RR7VC	GlobalFiler™ (STRmix)					
	13,16	17,20,22	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,12,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
9T2LAQ	PowerPlex® Fusion 6C (STRmix)					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
9TL2PT	GlobalFiler™ (STRmix)					
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
9XRVJN	GlobalFiler™ (STRmix)					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
9XVQHG	GlobalFiler™ (STRmix)					
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
9YMEMB	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12	
4sp	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
A682TZ	PowerPlex® Fusion 6C					
	13,16	17,20	11,12	15,16	12,12	
4sp	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

ADLM36   GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

AV7D24   GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

AWCVZY   GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

AXQTKQ   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

AZHRYP   GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

B2RL49   PowerPlex® Fusion 6C (STRmix 2.6.1)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

B6RWY9   PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

B8UYK4 — PowerPlex® Fusion 6C (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

B973NB — GlobalFiler™ — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

BAVZK2 — GlobalFiler™ (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

BHAMVQ — GlobalFiler™ (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

C2KX2L — PowerPlex® Fusion 6C (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

C3YVLD — Identifiler® Plus — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

C4AUGL — PowerPlex® Fusion 6C, GlobalFiler™ — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18	2	

TABLE 2

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

Item 4sp - STR Results

C7UEBA — 4sp — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14,16	17,20,22	11,12	15,16,18	12	
12,13	12,15	12,13	18,20	12	11,13
13,15,18	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23,25			13.2,17,20	8,9,9.3	7,8,11
16	11			2	

C7WCY8 — 4sp — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

CECMY7 — 4sp — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

CGFHHA — 4sp — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,13	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

CKC8WV — 4sp — Investigator® 24plex QS (STRmix v.2.6.3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,13,14,15,16,Q	16,17,19,20,Q	10,11,12,Q	14,15,16,17,18,Q	11,12,13,Q	
11,12,13,Q	14,15,Q	11,12,13,Q	17,18,19,Q	9,11,12,13,Q	10,11,12,13,14,Q
12,13,14,15,18,Q	13.2,14.2,15.2,16.2,Q	26,27,30.2,31.2,32.2,Q	9,10,14,15,16,Q	X,Y	9,10,11,12,13,Q
20,21,22,23,Q			12.2,13,13.2,19,19.2,20,Q	7,8,9,Q	7,10,11,Q
14,15,16,17,Q	11				

CMKMLA — 4sp — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

CP9YKE — 4sp — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	[11],12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
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 4sp - STR Results

CVWDX7 PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

(4sp)

CXLAD7 GlobalFiler™ (STRmix v.2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

(4sp)

CZB2H3 Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

(4sp)

D2ZGJX PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

(4sp)

DDE2WL GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

(4sp)

DE7TT6 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

(4sp)

DEP4K7 Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

(4sp)

TABLE 2

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

Item 4sp - STR Results

DGDFJC   GlobalFiler™

D1/D7/D18/FGA/vWA	D2S1338/D8/D19/PentaD/DYS391	D2S441/D10/D21/PentaE/DYS570	D3/D12/D22/SE33/DYS576	D5/D13/Amel/TH01/YIndel	D6/D16/CSF/TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

DKA8PM   PowerPlex® Fusion System, NGM SElect

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11				

DMJL42   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DQJXY2   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DVU3F8   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16,18	12	
12,13	15	12,13	18	9,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

DX2TX4   PowerPlex® ESI17

13,16	17,20	11,12	15,16		
	15,15	12,13	18,18		11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	
21,23			13.2,20	8,9	
16,16					

E6VQ86   PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

EB4L3L — GlobalFiler™ (STRmix version 2.4) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

EJF7A4 — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ELH9VY — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

EWKW64 — GlobalFiler™ (STRmix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

F2AVW6 — Identifiler® Plus — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12	
12,13	15			12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16					

F6N33V — GlobalFiler™ (STRmix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FCBJN2 — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

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

Item 4sp - STR Results

FEEN9U — Investigator® 24plex QS (STRmix) (4sp)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

FFDHGZ — Identifiler® (4sp)

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

FHY4RG — PowerPlex® PP21 (4sp)

13,16	17,20		15,16	12	18
12,13	15		18	12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16					

FKKKA3 — GlobalFiler™ (4sp)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FTY4CT — GlobalFiler™ (4sp)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

FV4RT4 — GlobalFiler™ (STRmix) (4sp)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

G339UG — PowerPlex® Fusion 5C (4sp)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
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 4sp - STR Results

G3JUBQ   Investigator® 24plex QS (STRmix)

D1/D7/D18/FGA/vWA	D2S1338/D8/D19/PentaD/DYS391	D2S441/D10/D21/PentaE/DYS570	D3/D12/D22/SE33/DYS576	D5/D13/Amelo/TH01/YIndel	D6/D16/CSF1PO/TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

G6NQC2   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

GBXJCK   GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

GG2MZX   PowerPlex® Fusion 6C (STRmix version 2.6.2)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

GGH7ZH   GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

GJRN6L   GlobalFiler™ (STRmix)

12,13,15,16	16,17,19,20	10,11,12	14,15,16	11,12	
11,12,13	14,15,16	11,12,13	17,18	11,12	10,11,12,13
12,13,14,15	13.2,14.2,15.2,16.2	26,27,30.2,31.2	10,14,15	X,Y	10,11,12
20,21,22,23			12.2,13.2,19,19.2,20	8,9	7,11
15,16	10,11			2	

GKHHVH   PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

GN4ZD3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

H4TYQZ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

H6MPVU — PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

H92MZV — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,[19],20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

HCM6K2 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

HCMYUE — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

HT9HPZ — GlobalFiler™ (STRmix v2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	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 4sp - STR Results

HTUTN9 — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,[15]	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

(4sp)

HVDF82 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

(4sp)

HXGBQ4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

(4sp)

J2X3DQ — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

(4sp)

J3WWLW — PowerPlex® 21 (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20		15,16	12,12	18,18
12,13	15,15		18,18	12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16,16					

(4sp)

J6X78X — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

(4sp)

JB7LYV — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

(4sp)

TABLE 2

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

Item 4sp - STR Results

JE87U2 GlobalFiler™ (STRmix) — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

JU3RRV PowerPlex® Fusion 6C (STRmix) — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

JUWDPE PowerPlex® Fusion 5C — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

JXHV8Y GlobalFiler™ (STRmix) — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

JY74YR GlobalFiler™ (STRmix) — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

K3T9PX GlobalFiler™ — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
[12],13,[14],16	17,20,[22,27]	[10],11,12,[14]	15,16,[18]	12,[13]	
[8,11],12,13	[12,14],15	12,13,[14,15]	18,[19,20]	[9],12,[14]	11,[12],13,[14]
13,[14],15,[18]	[14],14.2,[15],16.2	27,[30],31.2	10,15,[16]	X,Y	10,12
[19],21,23,[25]			13.2,[17],20	8,9,[9.3]	7,[8],11
16,[17]	11			2	

K77JNZ PowerPlex® Fusion 6C — 4sp

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

K8FTCQ　　PowerPlex® Fusion 6C (STRmix)　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

KBKNCG　　PowerPlex® 5C　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

KBZ8VD　　GlobalFiler™　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

KGQH7C　　GlobalFiler™ (STRmix)　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

KLLC4D　　PowerPlex® 5C　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

KP2CAX　　PowerPlex® Fusion 6C (STRmix)　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

KY7Q7C　　GlobalFiler™ (STRmix)　　4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

L4YNFG — GlobalFiler™ (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,12,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

L8J3Y4 — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

L8YWKQ — PowerPlex® Fusion 5C — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

LBUDPD — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

LQCDVW — PowerPlex® Fusion 6C — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

LQTRWE — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23,25			13.2,20	8,9	7,11
16	11			2	

LUAMTY — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

LUNLUF — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
12,13,14,15,16	16,17,19,20	10,11,12	14,15,16	11,12	
11,12,13,14	14,15	11,12,13	17,18	11,12	10,11,12,13
12,13,14,15	13.2,14.2,15.2,16.2	26,27,30.2,31.2	10,14,15,16	X,Y	10,11,12
20,21,22,23			12.2,13.2,19,20	8,9	7,11
15,16	10,11			2	

M299HD — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

M3JNWR — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,[8],11
16	11			2	

MAYL4B — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

MEEURB — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

MGL7WR — GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

MJTHET — Identifiler® Plus

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

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 4sp - STR Results

MRXJPR — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

MWEXHR — Identifiler® Plus, MiniFiler

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

N4B2ZV — PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

N4NTMK — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

N7D6LQ — PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,[14],16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12,[14]	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

NC424A — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

NEQJLU — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	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 4sp - STR Results

NF3PRN — PowerPlex® Fusion 6C (STRmix) *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

NJ4TJB — PowerPlex® Fusion 6C (STRmix) *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

NJJKM9 — GlobalFiler™ *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

NKD3AM — GlobalFiler™ (STRmix™) *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

NKHQ43 — Identifiler® Plus *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

NNEXHQ — PowerPlex® Fusion 6C (STRMix) *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

P2YL6A — GlobalFiler™ *(Item: 4sp)*

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

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

Item 4sp - STR Results

P9XV4U — PowerPlex® Fusion 6C — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

PB32NM — GlobalFiler™ (STRMIX) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

PBPUHR — Investigator® 24plex (STRmix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11				

PE8WMC — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	2	

PGT2XV — GlobalFiler™ (STRMix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

PHMWQC — PowerPlex® Fusion 6C (STRmix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

PKUERT — PowerPlex® Fusion 6C — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

PLN6VL — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

PNX2PQ — GlobalFiler™

13,[14],16	17,20,[22],[27]	11,12,[14]	15,16,[18]	12,[13]	
[8],[11],12,13	[12],15	12,13,[14],[15]	18,[19],[20]	[9],12,[14]	11,[12],13,[14]
13,[14],15,[18]	[14],14.2,[15],16.2	27,[30],31.2	10,15,[16]	X,Y	10,12
[19],21,23,[25]			13.2,[17],20	8,9	7,[8],11
16,[17]	11			2	

PPMGRL — PowerPlex® Fusion 6C (STRMIX)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

PRBTQR — GlobalFiler™

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

PYD6MN — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Q3Q2UB — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Q78N7V — GlobalFiler™ (STRmix)

13,16	17,20,22,27	11,12	15,16	12	
8,12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

TABLE 2

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

Amplification Kits (Probabilistic Genotyping Software)

Item 4sp - STR Results

Q8MTZM — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Q9DENR — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

QCTMUH — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QE3HNM — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

QJFYNY — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QJG3MW — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QP3PBU — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

QPJEJT — PowerPlex® Fusion 6C (STRmix) — 4sp

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

QR9KYJ — Investigator® 24plex QS (STRmix) — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

QRQ2AY — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

QXHRPN — PowerPlex® Fusion 6C (STRmix) — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

R3R68M — GlobalFiler™ — 4sp

13,16	17,20,[27]	11,12,[14]	15,16,[18]	12	
[8],[11],12,13	15	12,13,[14],[15]	18,[19]	[9],12,[14]	11,13,[14]
13,[14],15	14.2,16.2	27,[30],31.2	10,15,[16]	X,Y	10,12
21,23			13.2,[17],20	8,9	7,[8],11
16,[17]	11			2	

R699LQ — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

R8VK69 — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

WebCode / Item						
R9CGX9 4sp — PowerPlex® Fusion 6C						
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16,16	11	19	18		
RGMVHP 4sp — PowerPlex® Fusion 6C						
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
RH2348 4sp — GlobalFiler™ (STRmix)						
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	
RHZZ6A 4sp — GlobalFiler™						
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	
RJWYEL 4sp — PowerPlex® Fusion 6C (strmix)						
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		
RQBU7A 4sp — GlobalFiler™ (STRmix)						
	13,16	17,20	11,12	15,16	12	
	12,13	14,15	12,13	18	12	11,13
	13,15	13.2,14.2,16.2	27,31.2	10,15	X,Y	10,12
	20,21,22,23			13.2,20	8,9	7,11
	16	11			2	
RTH3LL 4sp — GlobalFiler™						
	13,[14],16	17,20,[22],[27]	11,12,[14]	15,16,[18]	12,[13]	
	[11],12,13	[12],15	12,13,[15]	18,[19],[20]	12,[14]	11,[12],13,[14]
	13,15,[18]	14.2,[15],16.2	27,[30],31.2	10,15,[16]	X,Y	10,12
	[19],21,23			13.2,[17],20	8,9	7,[8],11
	16	11			2	

TABLE 2

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

Item 4sp - STR Results

RWWMKU — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

RXCWJM — Identifiler® Plus (STRmix) — 4sp

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

RY2CKH — PowerPlex® Fusion 6C — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

T2KQNH — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

T2QBR9 — GlobalFiler™ (STRmix) — 4sp

13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	2	

TD2Z8P — GlobalFiler™ (STRmix v2.4) — 4sp

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TTW7X8 — PowerPlex® Fusion 6C — 4sp

13,[14],16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	[5],12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

TWC76R — GlobalFiler™ (STRmix)

13,16	17,20,22,27	11,12	15,16,18	12	
8,12,13	12,15	12,13,15	18,20	12	11,13
13,15	14,14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23,25			13.2,17,20	8,9	7,11
16	11			2	

TWRPM4 — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TZDYPX — PowerPlex® Fusion

13,16	17,20	11,12	15,16	12	
12,[13]	15	12,13	18	12	11,13
13,15	14.2,16.2	27,[31.2]	10,15	X,Y	[10],12
21,[23]	[10],12	12,17		8,9	7,11
16	11				

TZXF6Z — Identifiler® Plus

	17,20		15,16	12	
12,13	15			12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16					

U2KDW4 — Investigator® 24plex

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11				

UDTTML — Investigator® 24plex QS

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

UQGV6D — Investigator® 24plex QS (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

TABLE 2

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

Amplification Kits (Probabilistic Genotyping Software)

Item 4sp - STR Results

UWUMJL — Identifiler® Plus

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,20		15,16	12,12	
	12,13	15,15			12,12	11,13
	13,15	14.2,16.2	27,31.2		X,Y	10,12
	21,23				8,9	7,11
	16,16					

UZVK78 — PowerPlex® Fusion 6C (STRmix)

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

V3A2UP — PowerPlex® Fusion 6C

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

V3THU6 — PowerPlex® Fusion 6C (STRmix)

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23	10,12	12,17	13.2,20	8,9	7,11
	16	11	19	18		

V6KG83 — GlobalFiler™ (STRmix)

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15,16	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

V8PAZG — GlobalFiler™ (STRmix)

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12	
	12,13	15	12,13	18	12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16	11			2	

VAXPNU — GlobalFiler™ (STRmix)

4sp	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	13,16	17,20	11,12	15,16	12,12	
	12,13	15,15	12,13	18,18	12,12	11,13
	13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
	21,23			13.2,20	8,9	7,11
	16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

VKBG2N — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

VRTUZM — 4sp — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

W2DLYK — 4sp — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

W3U62P — 4sp — GlobalFiler™ (STRmix v 2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

W9VGXM — 4sp — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

WBKHMM — 4sp — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

WE38ZT — 4sp — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

TABLE 2

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

Item 4sp - STR Results

WEKKXH — Identifiler® Plus — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

WFAZYD — PowerPlex® Fusion 6C — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

WJA4TL — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,[14],16	17,20,[22]	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

WR49MM — PowerPlex® Fusion 6C — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

WR84JU — GlobalFiler™ (STRmix) — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

WRQAHK — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

WV9CN6 — GlobalFiler™ — 4sp

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	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 4sp - STR Results

WY8MJ6 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	2	

4sp

X8J24L GlobalFiler™ (STRmix 2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

4sp

X9REJ2 GlobalFiler™ (STRmix 2.6.3)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

4sp

XA4LVN GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

4sp

XBJVUG PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

4sp

XCEV2M GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

4sp

XFR7Y4 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

4sp

TABLE 2

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

Item 4sp - STR Results

XG67BK — GlobalFiler™ (STRmix v2.5.11)

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

XGN9JL — GlobalFiler™ (STRmix v 2.4.06)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

XHJ6D3 — PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

XJCKHQ — Identifiler® Plus

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

XJD2NH — Identifiler® Plus

	17,20		15,16	12,12	
12,13	15,15			12,12	11,13
13,15	14.2,16.2	27,31.2		X,Y	10,12
21,23				8,9	7,11
16,16					

XMRTNH — GlobalFiler™

13,16,[--]	17,20,[22],[--]	[10],11,12,[14],[--]	15,16,[18],[--]	12,[--]	
[8],12,13,[--]	[12],15,[16*],[--]	12,13,[14],[--]	18,[--]	12,[14],[--]	11,[12],13,[14],[--]
13,15,[--]	14.2,16.2,[--]	27,[30],31.2,[--]	10,15,[--]	X,Y	10,12,[--]
[19],21,23,[--]			13.2,[17],20,[21*],[--]	8,9,[--]	7,[8],11,[--]
16,[17],[--]	11,[--]			2,[--]	

XN4BXF — GlobalFiler™ (STR mix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
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 4sp - STR Results

XTJVWN GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

XTXMZL PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

XWCWVH Investigator® 24plex QS

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11				

XZZYWJ GlobalFiler™ (STRmix 2.4)

13,16	15,16,17,18,19,20,21	10,11,12,13	14,15,16,17	11,12,13	
11,12,13	12,13,14,15,16	11,12,13	17,18	11,12	10,11,12,13
12,13,14,15	12.2,13.2,14.2,15.2,16.2	26,27,30.2,31.2	9,10,14,15,16	X,Y	9,10,11,12,13
20,21,22,23,24			13.2,20	7,8,9	6,7,10,11
15,16	11			2	

Y8D8XK GlobalFiler™ (STRmix)

13,14,16	17,20,22,27	11,12,14	15,16,18	12,13	
8,12,13	12,15	12,13,14,15	18,19,20	9,12	11,12,13,14
13,15,18	14.2,16.2	27,30,31.2	10,15	X,Y	10,12
19,21,23,25			13.2,17,20	8,9,9.3	7,8,11
16,17	11			2	

Y98FZF PowerPlex® Fusion 6C (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

Y9LJD2 GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12,12	NT
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	NT	NT	13.2,20	8,9	7,11
16,16	11	NT	NT	2	

TABLE 2

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

Item 4sp - STR Results

YC92VL — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

YFM92D — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16,16	11	19	18		

YWDGEX — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

YWT9DM — GlobalFiler™

13,16	17,20	11,12	15,16,18	12	
12,13	15	12,13	18	12,14	11,12,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,8,11
16	11			2	

YY3H4Y — GlobalFiler™ (STRmix)

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Z23F7Y — GlobalFiler™

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

Z7THXH — PowerPlex® Fusion 6C

13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,11
16	11	19	18		

TABLE 2

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

Item 4sp - STR Results

ZDBVWG — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12,[13]	15,16	12	
12,13	15	12,13	18	12,[14]	11,13
13,15,[18]	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ZDWWUZ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	[9],12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17	13.2,20	8,9	7,[8],11
16	11	19	18		

ZGUBHP — GlobalFiler™ (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ZYXK79 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16	11			2	

ZZBGRZ — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12,12	
12,13	15,15	12,13	18,18	12,12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23			13.2,20	8,9	7,11
16,16	11			2	

ZZPFTG — PowerPlex® Fusion 5C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,16	17,20	11,12	15,16	12	
12,13	15	12,13	18	12	11,13
13,15	14.2,16.2	27,31.2	10,15	X,Y	10,12
21,23	10,12	12,17		8,9	7,11
16	11				

YSTR Amplification Kit(s) & Results

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
HBZXPR 1	PowerPlex® Y 23								
KBKNCG 1	PowerPlex® Y 23								
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
M299HD 1	Yfiler™ Plus								
TWC76R 1	Yfiler™ Plus								

TABLE 3

WebCode Item	Amplification Kit							
	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

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
2223XW — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
2UGEAY — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
2ZLJDY									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
39ENQD — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
3DV2JD — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
3KPNFY — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
3T6ZFX — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
4CVXBH — Yfiler™									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
4HZ8NH — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
4UAXCC — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
4ZZPPU — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit	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

WebCode Item	Amplification Kit	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
69PHAB 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
6FPRTW 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
6M4X39 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
6RJ6Q8 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
6WEYN9 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
6XA6YF 2	Yfiler™	-	14	11,14	13	29	25	11	13	13
		15	12	13	19	-	16	17	-	-
		-	-	-	-	-	-	23	-	12
749J8F 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
7EVC47 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
7FJG6C 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
7HPEMC 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
7MK9KD 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit								
	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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
7NTLZU — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
7PRWBJ — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7Q3XXH — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7VJ4UT — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
86JLTE — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
8ENQJA — PowerPlex® Y 23									
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
8KR6FR — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
8L3JU7 — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
92DK42 — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
942W38 — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
99CAK7 — Yfiler™ Plus									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode 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

WebCode Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
9YMEMB	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
ADLM36	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AV7D24	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AZHRYP	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B2RL49	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B6RWY9	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B973NB	Yfiler™								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
BHAMVQ	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
C4AUGL	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CECMY7	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CMKMLA	Yfiler™								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12

TABLE 3

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

Item 2 - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
CMZHV2	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
CP9YKE	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CVWDX7	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DE7TT6	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DEP4K7	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DGDFJC									
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DKA8PM	PowerPlex® Y 23 System								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DMJL42	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DQJXY2	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DVU3F8	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
E6VQ86	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit	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

WebCode Item	Amplification Kit									
ELH9VY 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
F2AVW6 2	Yfiler™		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		
								23		12
FFDHGZ 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
FHY4RG 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
FV4RT4 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
G339UG 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
G687BW 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
G6NQC2 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
GGH7ZH 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
H4TYQZ 2	PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
H92MZV 2	Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
HBZXPR	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
HTUTN9	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
HXGBQ4	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
J3WWLW	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
J6X78X	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
JUWDPE	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
K77JNZ	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
K8FTCQ	PowerPlex® Y 23								
2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
KBKNCG	PowerPlex® Y 23								
2	--	14	11,14	13	29	25	11	13	13
	15	12	13	19	--	16	17	--	22
	--	12	13	19	18	--	23	10	12
KBZ8VD	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
KLLC4D	Yfiler™ Plus								
2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit	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

WebCode Item	Amplification Kit									
KP2CAX	PowerPlex® Y 23									
2			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
		12	13	19	18		23		10	12
KUFGWE	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
LQCDVW	PowerPlex® Y 23									
2			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
		12	13	19	18		23		10	12
LQTRWE	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
M299HD	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
M3JNWR	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
MBTCAQ	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
MJTHET	PowerPlex® Y 23									
2			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
		12	13	19	18		23		10	12
MRXJPR	Yfiler™ Plus									
2		34,25	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
MWEXHR	Yfiler™ Plus									
2		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
N7D6LQ	PowerPlex® Y 23									
2			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
		12	13	19	18		23		10	12

TABLE 3

WebCode Item / Amplification Kit	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

WebCode Item / Amplification Kit	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
NJJKM9 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
PBPUHR 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
PKUERT 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
PNX2PQ 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
PYD6MN 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q78N7V 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q8MTZM 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q9DENR 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
QJG3MW 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
QPJEJT 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
R3R68M 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit — 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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
RGMVHP 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RTH3LL 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RWWMKU 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
RXCWJM 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
TWC76R 2 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
TZDYPX 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
TZXF6Z 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
U2KDW4 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
U93JDM 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
UDTTML 2 — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
UWUMJL 2 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

UZVK78 — 2
			DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
		12	13	19	18			23	10	12

UZXYHE — 2 — PowerPlex® Y
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

V3THU6 — 2 — PowerPlex® Y 23
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

VAXPNU — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

VRTUZM — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

WBKHMM — 2 — Yfiler™, Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

WJA4TL — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

WR49MM — 2 — PowerPlex® Y 23
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

WR84JU — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

X9REJ2 — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

XA4LVN — 2 — Yfiler™ Plus
	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

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

Item 2 - YSTR Results

WebCode / Item / Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
XCEV2M — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XJD2NH — PowerPlex® Y 23 — 2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
XTJVWN — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XWCWVH — Yfiler™ — 2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
Y624TD — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
YWDGEX — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Z23F7Y — PowerPlex® Y 23 — 2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
Z7THXH — PowerPlex® Y 23 — 2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
ZDBVWG — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
ZPAWQT — PowerPlex® Y 23 — 2		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
ZYXK79 — Yfiler™ Plus — 2	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item									
4ZZPPU	Yfiler™ Plus								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-		-	-	-	-		-
DGDFJC									
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
HBZXPR	PowerPlex® Y 23								
3									
KBKNCG	PowerPlex® Y 23								
3	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
KBZ8VD	Yfiler™ Plus								
3	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results		No Results	No Results	No Results	No Results		No Results
UZXYHE	PowerPlex® Y								
3									
ZPAWQT	PowerPlex® Y 23								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-		-	-		-
	-	-	-	-		-	-	-	-

TABLE 3

WebCode Item	Amplification Kit								
	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

39ENQD — Yfiler™ Plus — 4

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

4ZZPPU — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

8L3JU7 — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

942W38 — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

CMZHV2 — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

G687BW — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

HBZXPR — PowerPlex® Y 23 — 4

		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

KUFGWE — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

MBTCAQ — Yfiler™ Plus — 4

	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

NJJKM9 — Yfiler™ — 4

		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12

U2KDW4 — Yfiler™ — 4

		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
UZXYHE									
4		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
	12	13	19	18			23	10	12
Y624TD	Yfiler™ Plus								
4	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
ZPAWQT	PowerPlex® Y 23								
4		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
	12	13	19	18			23	10	12

TABLE 3

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

Item 4e - YSTR Results

2223XW — Yfiler™ Plus

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

2UGEAY — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

2ZLJDY — Yfiler™

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

3DV2JD — PowerPlex® Y 23

4e									

3KPNFY — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

3T6ZFX — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

3WKX2M — Yfiler™

4e	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-		-	-	-	-		-

3ZJ9WM — Yfiler™ Plus

4e									

4CVXBH — Yfiler™

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12

4HZ8NH — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

4UAXCC — PowerPlex® Y 23

4e									

TABLE 3

WebCode Item	Amplification Kit							
	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

66NQ9K 4e — Yfiler™ Plus

69PHAB 4e — PowerPlex® Y 23

6FPRTW 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

6M4X39 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

6RJ6Q8 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

6WEYN9 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

6XA6YF 4e — Yfiler™

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
-	14	11,14	13	29	25	11	13	13
15	12	13	19	-	16	17	-	-
-	-	-	-	-	-	23	-	12

749J8F 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

7EVC47 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

7FJG6C 4e — Yfiler™ Plus

7HPEMC 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

TABLE 3

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

Item 4e - YSTR Results

7MK9KD — PowerPlex® Y 23

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

7NTLZU — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

7PRWBJ — Yfiler™

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

7Q3XXH — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

7VJ4UT — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

86JLTE — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

8ENQJA — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

8KR6FR — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

92DK42 — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

99CAK7 — Yfiler™ Plus

4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

9YMEMB — PowerPlex® Y 23

4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

Item 4e - YSTR Results

WebCode Item / Amplification Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ADLM36 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4e	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AV7D24 — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4e	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AZHRYP — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B2RL49 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B6RWY9 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B973NB — Yfiler™		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		
							23		12
BHAMVQ — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4e	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
C3YVLD — Yfiler™ Plus									
4e									
C4AUGL — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CECMY7 — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CMKMLA — Yfiler™		14	11,14	13	29	25	11	13	13
4e	15	12	13	19		16	17		
							23		12

TABLE 3

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

(Amplification Kit)

Item 4e - YSTR Results

CVWDX7 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e		14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19		16	17		22
(DYS518–YGATAH4)		12	13	19	18		23	10	12

DE7TT6 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e		14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19		16	17		22
(DYS518–YGATAH4)		12	13	19	18		23	10	12

DEP4K7 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e									

DGDFJC

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e	34,35	14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19	29	16	17	11	22
(DYS518–YGATAH4)	40	12		19	18	19	23		12

DKA8PM — PowerPlex® Y 23 System

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e		14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19		16	17		22
(DYS518–YGATAH4)		12	13	19	18		23	10	12

DMJL42 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e	34,35	14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19	29	16	17	11	22
(DYS518–YGATAH4)	40	12		19	18	19	23		12

DQJXY2 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e	34,35	14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19	29	16	17	11	22
(DYS518–YGATAH4)	40	12		19	18	19	23		12

DVU3F8 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e	34,35	14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19	29	16	17	11	22
(DYS518–YGATAH4)	40	12		19	18	19	23		12

E6VQ86 — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e		14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19		16	17		22
(DYS518–YGATAH4)		12	13	19	18		23	10	12

ELH9VY — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e	34,35	14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19	29	16	17	11	22
(DYS518–YGATAH4)	40	12		19	18	19	23		12

F2AVW6 — Yfiler™

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4e		14	11,14	13	29	25	11	13	13
(DYS437–481)	15	12	13	19		16	17		
(DYS518–YGATAH4)							23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
FFDHGZ	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
FHY4RG	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
FV4RT4	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
G339UG	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
G6NQC2	Yfiler™ Plus								
4e									
GBXJCK	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
GGH7ZH	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
H4TYQZ	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
H92MZV	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
HTUTN9	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
HXGBQ4	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit							
	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

WebCode Item									
J3WWLW	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
J6X78X	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
JUWDPE	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
K77JNZ	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
K8FTCQ	PowerPlex® Y 23								
4e									
KBKNCG	PowerPlex® Y 23								
4e	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
KBZ8VD	Yfiler™ Plus								
4e	34,25	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
KLLC4D	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
KP2CAX	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
LQCDVW	PowerPlex® Y 23								
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
LQTRWE	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
M299HD 4e — Yfiler™ Plus									
M3JNWR 4e — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
MJTHET 4e — PowerPlex® Y 23									
MRXJPR 4e — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
MWEXHR 4e — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
N7D6LQ 4e — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
NKHQ43 4e — Yfiler™ Plus									
PBPUHR 4e — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
PKUERT 4e — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
PNX2PQ 4e — PowerPlex® Y 23									
PYD6MN 4e — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
Q78N7V — Yfiler™ Plus									
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q8MTZM — Yfiler™ Plus									
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q9DENR — Yfiler™									
4e									
QJG3MW — Yfiler™ Plus									
4e	34 partial	14		13	29		11	13	13
		12			29	16	17		22
	40	12			18	19	23		12
QPJEJT — PowerPlex® Y 23									
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
R3R68M — PowerPlex® Y 23									
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RGMVHP — PowerPlex® Y 23									
4e		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RTH3LL — PowerPlex® Y 23									
4e									
RWWMKU — Yfiler™ Plus									
4e									
RXCWJM — Yfiler™ Plus									
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
TWC76R — Yfiler™ Plus									
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit 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

TZDYPX — 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393

U93JDM — 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

UDTTML — 4e — Yfiler™

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		
						23		12

UWUMJL — 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	NT	NT	NT	NT	NT	NT	NT	NT
NT	NT	NT	NT		NT	NT		NT
	NT	NT	NT	NT		NT	NT	NT

UZVK78 — 4e

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

V3THU6 — 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

VAXPNU — 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

VRTUZM — 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

WBKHMM — 4e — Yfiler™, Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
34,35	14	11,14	13	29	25	11	13	13
15	12	13	19	29	16	17	11	22
40	12		19	18	19	23		12

WJA4TL — 4e — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393

WR49MM — 4e — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	14	11,14	13	29	25	11	13	13
15	12	13	19		16	17		22
	12	13	19	18		23	10	12

TABLE 3

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

Item 4e - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
WR84JU 4e	Yfiler™ Plus								
X9REJ2 4e	Yfiler™ Plus								
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XA4LVN 4e	Yfiler™ Plus								
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XCEV2M 4e	Yfiler™ Plus								
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XJCKHQ 4e	Yfiler™ Plus								
XJD2NH 4e	PowerPlex® Y 23								
XTJVWN 4e	Yfiler™ Plus								
	34,35	14		13	29	25	11	13	13
	15	12		19	29	16	17	11	22
	40			19	18	19	23		12
YWDGEX 4e	Yfiler™ Plus								
	34,35	14	11	13	29	25	11	13	13
	15	12	13		29	16	17	11	22
	40	12		19	18	19			12
Z23F7Y 4e	PowerPlex® Y 23								
		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
Z7THXH 4e	PowerPlex® Y 23								
		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
ZDBVWG 4e	Yfiler™ Plus								
	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit								
	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

ZYXK79	Yfiler™ Plus								
4e	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

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

Item 4sp - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
2223XW Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
2UGEAY PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
2ZLJDY Yfiler™									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
3DV2JD PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16,[17]	17		22
		12	13	19	18		23	10	12
3KPNFY PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
3T6ZFX PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
3WKX2M Yfiler™									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
3ZJ9WM Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
4CVXBH Yfiler™									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
4HZ8NH Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
4UAXCC PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit							
	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

WebCode Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
66NQ9K	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
69PHAB	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
6FPRTW	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
6M4X39	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
6RJ6Q8	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
6WEYN9	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
6XA6YF	Yfiler™								
4sp	-	14	11,14	13	29	25	11	13	13
	15	12	13	19	-	16	17	-	-
	-	-	-	-	-	-	23	-	12
749J8F	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7EVC47	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7FJG6C	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7HPEMC	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

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

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WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
7MK9KD — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
7NTLZU — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
7PRWBJ — Yfiler™									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7Q3XXH — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
7VJ4UT — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
86JLTE — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
8ENQJA — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
8KR6FR — Yfiler™ Plus									
4sp	34,25	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
92DK42 — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
99CAK7 — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
9YMEMB — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit								
	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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ADLM36 Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4sp	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AV7D24 Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4sp	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
AZHRYP PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B2RL49 PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B6RWY9 PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
B973NB Yfiler™		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		
							23		12
BHAMVQ Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4sp	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
C3YVLD Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
4sp	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
C4AUGL PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CECMY7 PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CMKMLA Yfiler™		14	11,14	13	29	25	11	13	13
4sp	15	12	13	19		16	17		
							23		12

TABLE 3

WebCode Item	Amplification Kit							
	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

CP9YKE									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
CVWDX7	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DE7TT6	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DEP4K7	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DGDFJC									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DKA8PM	PowerPlex® Y 23 System								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
DMJL42	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DQJXY2	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
DVU3F8	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
E6VQ86	PowerPlex® Y 23								
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
ELH9VY	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

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

Item 4sp - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
F2AVW6 Yfiler™									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
FFDHGZ Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
FHY4RG PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
FV4RT4 Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
G339UG Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
G6NQC2 Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
GBXJCK Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
GGH7ZH PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
H4TYQZ PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
H92MZV Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
HTUTN9 PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

WebCode Item	Amplification Kit	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

WebCode Item	Amplification Kit									
HXGBQ4	Yfiler™ Plus									
4sp		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
J3WWLW	Yfiler™ Plus									
4sp		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
J6X78X	PowerPlex® Y 23									
4sp			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
JUWDPE	Yfiler™ Plus									
4sp		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
K77JNZ	PowerPlex® Y 23									
4sp			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
K8FTCQ	PowerPlex® Y 23									
4sp			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
KBKNCG	PowerPlex® Y 23									
4sp		--	14	11,14	13	29	25	11	13	13
		15	12	13	19	--	16	17	--	22
		--	12	13	19	18	--	23	10	12
KBZ8VD	Yfiler™ Plus									
4sp		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
KLLC4D	Yfiler™ Plus									
4sp		34,35	14	11,14	13	29	25	11	13	13
		15	12	13	19	29	16	17	11	22
		40	12		19	18	19	23		12
KP2CAX	PowerPlex® Y 23									
4sp			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12
LQCDVW	PowerPlex® Y 23									
4sp			14	11,14	13	29	25	11	13	13
		15	12	13	19		16	17		22
			12	13	19	18		23	10	12

TABLE 3

WebCode Item / Amplification Kit	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

WebCode Item / Amplification Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
LQTRWE 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
M299HD 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
M3JNWR 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
MJTHET 4sp — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
MRXJPR 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
MWEXHR 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
N7D6LQ 4sp — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
NKHQ43 4sp — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
PBPUHR 4sp — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
PKUERT 4sp — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
PNX2PQ 4sp — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

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

Item 4sp - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
PYD6MN (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q78N7V (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q8MTZM (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Q9DENR (4sp) — Yfiler™		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
QJG3MW (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
QPJEJT (4sp) — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
R3R68M (4sp) — PowerPlex® Y 23									
RGMVHP (4sp) — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RTH3LL (4sp) — PowerPlex® Y 23		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
RWWMKU (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
RXCWJM (4sp) — Yfiler™ Plus	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item	Amplification Kit							
	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

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
TWC76R — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
TZDYPX — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
U93JDM — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
UDTTML — Yfiler™									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		
							23		12
UWUMJL — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
UZVK78									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
V3THU6 — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
VAXPNU — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
VRTUZM — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
WBKHMM — Yfiler™, Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
WJA4TL — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

TABLE 3

WebCode Item / Amplification Kit	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

WebCode Item / Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
WR49MM — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
WR84JU — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
X9REJ2 — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XA4LVN — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XCEV2M — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XJCKHQ — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
XJD2NH — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
XTJVWN — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
YWDGEX — Yfiler™ Plus									
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
Z23F7Y — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12
Z7THXH — PowerPlex® Y 23									
4sp		14	11,14	13	29	25	11	13	13
	15	12	13	19		16	17		22
		12	13	19	18		23	10	12

TABLE 3

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

Item 4sp - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ZDBVWG	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12
ZYXK79	Yfiler™ Plus								
4sp	34,35	14	11,14	13	29	25	11	13	13
	15	12	13	19	29	16	17	11	22
	40	12		19	18	19	23		12

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 4	Item 4e	Item 4sp
AM	G3JUBQ	X	X,Y	X		X,Y	X,Y
	UQGV6D	X	X,Y	X		X,Y	X,Y
QS1	FEEN9U	Q	Q	Q		Q	Q
	G3JUBQ	Q	Q	Q		Q	Q
QS2	FEEN9U	S	S	S		S	S
	G3JUBQ	S	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) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4	WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4
2223XW	Yes	Yes	No	Yes	4HZ8NH	Yes	Yes	No	Yes
22ZHG2	Yes	Yes	No	Yes	4LGYB6	Yes	Yes	No	Yes
23BK4Z	Yes	Yes	No	Yes	4PGDEG	Yes	Yes	No	Yes
2BQQVK	Yes	Yes	No	Yes	4QU8RW	Yes	Yes	No	Yes
2E2ED9	Yes	Yes	No	Yes	4UAXCC	Yes	Yes	No	Yes
2HPQCE	No Interp	No Interp	No Interp	No Interp	4ZZPPU	Yes	Yes	No	Yes
2UGEAY	Yes	Yes	No	Yes	62BJUD	Yes	Yes	No	Yes
2VTELF	Yes	Yes	No	Yes	63JVAU	Yes	Yes	No	Yes
2XD2YG	Yes	Yes	No	Yes	66NQ9K	Yes	Yes	No	Yes
2ZLJDY	Yes	Yes	No	Yes	69PHAB	Yes	Yes	No	Yes
337M8U	Yes	Yes	No	Yes	6AEXB7	Yes	Yes	No	Yes
39ENQD	Yes	Yes	No	Yes	6FPRTW	Yes	Yes	No	Yes
3CFPTV	Yes	Yes	No	Yes	6FQC9R	Yes	Yes	No	Yes
3DV2JD	Yes	Yes	No	Yes	6M4X39	Yes	Yes	No	Yes
3KPNFY	Yes	Yes	No	Yes	6PFZ7F	Yes	Yes	No	Yes
3N7LT9	Yes	Yes	No	Yes	6RJ6Q8	Yes	Yes	No	Yes
3T6ZFX	Yes	Yes	No	Yes	6UQMN4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3WKX2M	Yes	Yes	No	Yes	6WEYN9	Yes	Yes	No	Yes
3ZJ9WM	Yes	Yes	No	Yes	6WTLYW	Yes	Yes	No	Yes
49AFTW	Yes	Yes	No	Yes	6XA6YF	Yes	Yes	No	Yes
4CVXBH	Yes	Yes	No	Yes	6ZDXRU	Yes	Yes	No	Yes
4DLTH4	No Interpretations Reported, DNA Analyzed for Database purposes only.				749J8F	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
7EVC47	Yes	Yes	No	Yes	9G96KP	Yes	Yes	No	Yes
7FJG6C	Yes	Yes	No	Yes	9JXB32	Yes	Yes	No	Yes
7HPEMC	Yes	Yes	No	Yes	9RR7VC	Yes	Yes	No	Yes
7MK9KD	Yes	Yes	No	Yes	9T2LAQ	Yes	Yes	No	Yes
7NTLZU	Yes	Yes	No	Yes	9TL2PT	Yes	Yes	No	Yes
7PRWBJ	Yes	Yes	No	Yes	9XRVJN	Yes	Yes	No	Yes
7Q3XXH	Yes	Yes	No	Yes	9XVQHG	Yes	Yes	No	Yes
7TAQW4	Yes	Yes	No	Yes	9YMEMB	Yes	Yes	No	Yes
7VJ4UT	Yes	Yes	No	Yes	A682TZ	Yes	Yes	No	Yes
7ZUZ98	Yes	Yes	No	Yes	A8XZ8Y	No Interpretations Reported, DNA Analyzed for Database purposes only.			
86JLTE	Yes	Yes	No	Yes	ABXB4Y	No Interpretations Reported, DNA Analyzed for Database purposes only.			
88NEKR	Yes	Yes	No	Yes	ADLM36	Yes	Yes	No	Yes
8AY8N8	Yes	Yes	No	Yes	AV7D24	Yes	Yes	No	Yes
8E8GRU	Yes	Yes	No	Yes	AWCVZY	Yes	Yes	No	Yes
8ENQJA	Yes	Yes	No	Yes	AXQTKQ	Yes	Yes	No	Yes
8KR6FR	Yes	Yes	No	Yes	AZHRYP	Yes	Yes	No	Yes
8L3JU7	Yes	Yes	No	Yes	B2RL49	Yes	Yes	No	Yes
8MJ4UQ	Yes	Yes	No	Yes	B6RWY9	Yes	Yes	No	Yes
92DK42	Yes	Yes	No	Yes	B8UYK4	Yes	Yes	No	Yes
942W38	Yes	Yes	No	Yes	B973NB	Yes	Yes	No	Yes
979E23	Yes	Yes	No	Yes	BAVZK2	Yes	Yes	No	Yes
97MXLZ	Yes	Yes	No	Yes	BHAMVQ	Yes	Yes	No	Yes
99CAK7	Yes	Yes	No	Yes	C2KX2L	Yes	Yes	No	Yes
9CCDED	Yes	Yes	No	Yes	C3YVLD	Yes	Yes	No	Yes

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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
C4AUGL	Yes	Yes	No	Yes	E6VQ86	Yes	Yes	No	Yes
C4NTH4	Yes	Yes	No	Yes	EB4L3L	Yes	Yes	No	Yes
C7UEBA	Yes	Yes	No	Yes	EJF7A4	Yes	Yes	No	Yes
C7WCY8	Yes	Yes	No	Yes	EJRAG2	Yes	Yes	No	Yes
CECMY7	Yes	Yes	No	Yes	ELH9VY	Yes	Yes	No	Yes
CF3TEW	No Interpretations Reported, DNA Analyzed for Database purposes only.				EMUBZ7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
CGFHHA	Yes	Yes	No	Yes	EWKW64	Yes	Yes	No	Yes
CKC8WV	Yes	Yes	No	Yes	F2AVW6	Yes	Yes	No	Yes
CMKMLA	Yes	Yes	No	Yes	F6N33V	Yes	Yes	No	Yes
CMZHV2	Yes	Yes	No	Yes	FCBJN2	Yes	Yes	No	Yes
CP9YKE	Yes	Yes	No	Yes	FEEN9U	Yes	Yes	No	Yes
CVWDX7	Yes	Yes	No	Yes	FFDHGZ	Yes	Yes	No	Yes
CXLAD7	Yes	Yes	No	Yes	FHY4RG	Yes	Yes	No	Yes
CZB2H3	Yes	Yes	No	Yes	FKKKA3	Yes	Yes	No	Yes
D2ZGJX	Yes	Yes	No	Yes	FTY4CT	Yes	Yes	No	Yes
DDE2WL	Yes	Yes	No	Yes	FV4RT4	Yes	Yes	No	Yes
DE7TT6	Yes	Yes	No	Yes	G339UG	Yes	No Interp	No	Yes
DEP4K7	Yes	Yes	No	Yes	G3JUBQ	Yes	Yes	No	Yes
DGDFJC	Yes	Yes	No	Yes	G687BW	Yes	Yes	No	Yes
DKA8PM	Yes	Yes	No	Yes	G6NQC2	Yes	Yes	No	Yes
DMJL42	Yes	Yes	No	Yes	GBXJCK	Yes	Yes	No	Yes
DQJXY2	Yes	Yes	No	Yes	GG2MZX	Yes	Yes	No	Yes
DVU3F8	Yes	Yes	No	Yes	GGH7ZH	Yes	Yes	No	Yes
DX2TX4	Yes	Yes	No	Yes	GJRN6L	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GKHHVH	Yes	Yes	No	Yes	K8FTCQ	Yes	Yes	No	Yes
GN4ZD3	Yes	Yes	No	Yes	KBKNCG	Yes	Yes	No	Yes
H4TYQZ	Yes	Yes	No	Yes	KBZ8VD	Yes	Yes	No	Yes
H6MPVU	Yes	Yes	No	Yes	KGQH7C	Yes	Yes	No	Yes
H92MZV	Yes	Yes	No	Yes	KLLC4D	Yes	Yes	No	Yes
HBZXPR	Yes	Yes	No	Yes	KP2CAX	Yes	Yes	No	Yes
HCM6K2	Yes	Yes	No	Yes	KUFGWE	Yes	Yes	No	Yes
HCMYUE	Yes	Yes	No	Yes	KY7Q7C	Yes	Yes	No	Yes
HT9HPZ	Yes	Yes	No	Yes	L4YNFG	Yes	Yes	No	Yes
HTUTN9	Yes	Yes	No	Yes	L8J3Y4	Yes	Yes	No	Yes
HVDF82	Yes	Yes	No	Yes	L8YWKQ	Yes	Yes	No	Yes
HXGBQ4	Yes	Yes	No	Yes	LBUDPD	Yes	Yes	No	Yes
J2X3DQ	Yes	Yes	No	Yes	LQCDVW	Yes	Yes	No	Yes
J3WWLW	Yes	Yes	No	Yes	LQTRWE	Yes	Yes	No	Yes
J6X78X	Yes	Yes	No	Yes	LUAMTY	Yes	Yes	No	Yes
J7ANLW	Yes	Yes	No	Yes	LUNLUF	Yes	Yes	No	Yes
JB7LYV	Yes	Yes	No	Yes	LW2L8W	Yes	Yes	No	Yes
JE87U2	Yes	Yes	No	Yes	M299HD	Yes	Yes	No	Yes
JU3RRV	Yes	Yes	No	Yes	M3JNWR	Yes	Yes	No	Yes
JUWDPE	Yes	Yes	No	Yes	MAYL4B	Yes	Yes	No	Yes
JXHV8Y	Yes	Yes	No	Yes	MBTCAQ	Yes	Yes	No	Yes
JY74YR	Yes	Yes	No	Yes	MEEURB	Yes	Yes	No	Yes
K3T9PX	Yes	Yes	No	Yes	MGL7WR	Yes	Yes	No	Yes
K77JNZ	Yes	Yes	No	Yes	MJTHET	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
MRXJPR	Yes	Yes	No	Yes	PNX2PQ	Yes	Yes	No	Yes
MWEXHR	Yes	Yes	No	Yes	PPMGRL	Yes	Yes	No	Yes
N4B2ZV	Yes	Yes	No	Yes	PRBTQR	Yes	Yes	No	Yes
N4NTMK	Yes	Yes	No	Yes	PYD6MN	Yes	Yes	No	Yes
N7D6LQ	Yes	Yes	No	Yes	Q3Q2UB	Yes	Yes	No	Yes
NC424A	Yes	Yes	No	Yes	Q78N7V	Yes	Yes	No	Yes
NEQJLU	Yes	Yes	No	Yes	Q8MTZM	Yes	Yes	No	Yes
NF3PRN	Yes	Yes	No	Yes	Q9DENR	Yes	Yes	No	Yes
NJ4TJB	Yes	Yes	No	Yes	QCTMUH	Yes	Yes	No	Yes
NJJKM9	Yes	Yes	No	Yes	QE3HNM	Yes	Yes	No	Yes
NKD3AM	Yes	Yes	No	Yes	QJFYNY	Yes	Yes	No	Yes
NKHQ43	Yes	Yes	No	Yes	QJG3MW	Yes	Yes	No	Yes
NNEXHQ	Yes	Yes	No	Yes	QP3PBU	Yes	Yes	No	Yes
P2YL6A	Yes	Yes	No	Yes	QPJEJT	Yes	Yes	No	Yes
P9XV4U	Yes	Yes	No	Yes	QR9KYJ	Yes	Yes	No	Yes
PB32NM	Yes	Yes	No	Yes	QRQ2AY	Yes	Yes	No	Yes
PBPUHR	Yes	Yes	No	Yes	QXHRPN	Yes	Yes	No	Yes
PDUZ3K	No Interpretations Reported, DNA Analyzed for Database purposes only.				R3R68M	Yes	Yes	No	Yes
PE2E9Q	Yes	Yes	No	Yes	R699LQ	Yes	Yes	No	Yes
PE8WMC	Yes	Yes	No	Yes	R8VK69	Yes	Yes	No	Yes
PGT2XV	Yes	Yes	No	Yes	R9CGX9	Yes	Yes	No	Yes
PHMWQC	Yes	Yes	No	Yes	RGMVHP	Yes	Yes	No	Yes
PKUERT	Yes	Yes	No	Yes	RH2348	Yes	Yes	No	Yes
PLN6VL	Yes	Yes	No	Yes	RHD2XF	No Interpretations Reported, DNA Analyzed for Database purposes only.			

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
RHZZ6A	Yes	Yes	No	Yes	V3A2UP	Yes	Yes	No	Yes
RJWYEL	Yes	Yes	No	Yes	V3THU6	Yes	Yes	No	Yes
RQBU7A	Yes	Yes	No	Yes	V6KG83	Yes	Yes	No	Yes
RTH3LL	Yes	Yes	No	Yes	V8PAZG	Yes	Yes	No	Yes
RWWMKU	Yes	Yes	No	Yes	VAXPNU	Yes	Yes	No	Yes
RXCWJM	Yes	Yes	No	Yes	VKBG2N	Yes	Yes	No	Yes
RY2CKH	Yes	Yes	No	Yes	VRTUZM	Yes	Yes	No	Yes
T2KQNH	Yes	Yes	No	Yes	W2DLYK	Yes	Yes	No	Yes
T2QBR9	Yes	Yes	No	Yes	W3U62P	Yes	Yes	No	Yes
TD2Z8P	Yes	Yes	No	Yes	W9VGXM	Yes	Yes	No	Yes
TRH9DF	No Interpretations Reported, DNA Analyzed for Database purposes only.				WBKHMM	Yes	Yes	No	Yes
TTW7X8	Yes	Yes	No	Yes	WE38ZT	Yes	Yes	No	Yes
TWC76R	Yes	Yes	No	Yes	WEKKXH	Yes	Yes	No	Yes
TWRPM4	Yes	Yes	No	Yes	WFAZYD	Yes	Yes	No	Yes
TZDYPX	Yes	Yes	No	Yes	WJA4TL	Yes	Yes	No	Yes
TZXF6Z	Yes	Yes	No	Yes	WJXCYJ	Yes	Yes	No	Yes
U2KDW4	Yes	Yes	No	Yes	WR49MM	Yes	Yes	No	Yes
U93JDM	No Interp	No Interp	No Interp	Yes	WR84JU	Yes	Yes	No	Yes
UDTTML	Yes	Yes	No	Yes	WRQAHK	Yes	Yes	No	Yes
UQGV6D	Yes	Yes	No	Yes	WV9CN6	Yes	Yes	No	Yes
UTARRL	Yes	Yes	No	Yes	WY8MJ6	Yes	Yes	No	Yes
UWUMJL	Yes	Yes	No	Yes	X8J24L	Yes	Yes	No	Yes
UZVK78	Yes	Yes	No	Yes	X9REJ2	Yes	Yes	No	Yes
UZXYHE	Yes	Yes	No	Yes	XA4LVN	Yes	Yes	No	Yes

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
XBJVUG	Yes	Yes	No	Yes	Z7THXH	Yes	Yes	No	Yes
XCEV2M	Yes	Yes	No	Yes	ZDBVWG	Yes	Yes	No	Yes
XFR7Y4	Yes	Yes	No	Yes	ZDWWUZ	Yes	Yes	No	Yes
XG67BK	Yes	Yes	No	Yes	ZGUBHP	Yes	Yes	No	Yes
XGN9JL	Yes	Yes	No	Yes	ZPAWQT	Yes	Yes	No	Yes
XHJ6D3	Yes	Yes	No	Yes	ZYXK79	Yes	Yes	No	Yes
XJCKHQ	Yes	Yes	No	Yes	ZZBGRZ	Yes	Yes	No	Yes
XJD2NH	Yes	Yes	No	Yes	ZZPFTG	Yes	Yes	No	Yes
XMRTNH	Yes	Yes	No	Yes					
XN4BXF	Yes	Yes	No	Yes					
XTJVWN	Yes	Yes	No	Yes					
XTXMZL	Yes	Yes	No	Yes					
XWCWVH	Yes	Yes	No	Yes					
XZZYWJ	Yes	Yes	No	Yes					
Y624TD	Yes	Yes	No	Yes					
Y8D8XK	Yes	Yes	No	Yes					
Y98FZF	Yes	Yes	No	Yes					
Y9LJD2	Yes	Yes	No	Yes					
YC92VL	Yes	Yes	No	Yes					
YFM92D	Yes	Yes	No	Yes					
YWDGEX	No Interpretations Reported, DNA Analyzed for Database purposes only.								
YWT9DM	Yes	Yes	No	Yes					
YY3H4Y	Yes	Yes	No	Yes					
Z23F7Y	Yes	Yes	No	Yes					

DNA Interpretation

Response Summary				Participants reporting DNA results: 316

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

	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	**304**	**303**	**0**	**305**
No	**0**	**0**	**304**	**0**
Inc	**0**	**0**	**0**	**0**
No Interpretation	**2**	**3**	**2**	**1**
No Response	**0**	**0**	**0**	**0**

Participants analyzing DNA for database purposes only: 10

Additional Comments

TABLE 6

WebCode	Additional Comments
2HPQCE	Modified Rapid DNA analysis conducted on Items 1 and 2. Items 3 and 4 not processed, no DNA interpretations conducted. NR = no result
39ENQD	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
3CFPTV	Item A-4a E1 fraction at D2S1338 has a 26 in back stutter position. Item A-4a E2 fraction at D10S1248 has a 14 in forward stutter position or carryover from E1
3DV2JD	Due to incomplete separation during differential extraction, a mixture was present in the epithelial fraction and the sperm/substrate fraction of Item 4. Unless as designated below, minor alleles can be attributed to either the suspect or the victim in this case. Other Artifacts/True Alleles (A/TA) have been noted as follows: In Item 4 - epithelial fraction: D2S1338, 26 allele is A/TA w/o n-4 stutter. In Item 4 - sperm/substrate fraction: D8S1179, 13 allele is possible true allele, possible n-8 stutter. SE33, 18 allele is possible true allele, possible n-8 stutter. In Item 4 - sperm/substrate fraction (Y-STR amp): DYS456, 17 allele is A/TA w/o n+4 stutter.
49AFTW	ND = No alleles detected. Hematrace = a-HuHb (anti human hemoglobin)
4CVXBH	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 was extracted using Promega DNA IQ kit on Tecan Freedom 150 and Item 4 was extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express (GFE) Kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler Casework Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male allele.
4QU8RW	NR = No DNA typing results obtained for this locus
4ZZPPU	YFiler Plus test was conducted regarding to item 3 in order to exclude male DNA. Negative result of the above test confirm this hipotesis.
63JVAU	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.
6C3AAB	This test was for serology purposes only. Exhibit 4: AP test inconclusive due to substrate color
6FPRTW	NR = No Results. Results at overlapping locus between Globalfiler and Yfiler Plus kits was concordant. The AP testing done on item #3 was inconclusive. RSID Urine testing was performed on Item #4 and gave negative results. All serology testing was completed by a member of the Forensic Biology Unit. Male screening results from NaOH digestion were analyzed by submitter.
6WEYN9	The 21 allele reported at SE33 for Item 4 F2 is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.

TABLE 6

WebCode	Additional Comments
6XA6YF	1. Extraction: (i) Item 1 and Item 2 were extracted using in-situ method; (ii) Bloodstains extraction on Item 3 was carried out with Promega DNA IQ purification kit using Tecan Freedom EVO HID Evolution platform. (iii) Differential extraction of semen stains on Item 4 was carried out using Chelex extraction method. 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 and Proflex PCR System (GlobalFiler Express): (i) Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit. (ii) Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit. (iii) Item 2 and Item 4 were amplified using YFiler PCR Amplification Kit. 4. Electrophoresis were carried out on Genetic Analyzer 3500xL. 5. Quality Control: Reagent blank, positive and negative control were carried out through analysis and all gave intended results.
6ZDXRU	NR = no result. An allele within parentheses (x) represents a stutter peak that was included in the STRmix genotype probability distribution (GPD) for that locus. Example: For Item 4(e-cell fraction) the results at CSF are reported as 10,(11),12. At this locus the 11 stutter peak was present in the GPD. The Globalfiler data (with the exception of SE33, D1S1656, Yindel, Amelogenin, and DYS391) reported for Item 4(e-cell fraction) are based upon an interpretation using STRmix. Because this software may incorporate stutter peaks into the interpretation, STRmix results may include peaks that would have been de-labeled and removed from the profile using a binary interpretation method. Due to limitations in this reporting format, the relative probabilities of each weighted genotype at each locus cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes that appear in the GPD.
7FJG6C	reporting results with stutter filters on
7PRWBJ	Results reported with stutter filters on.
7TNC9Q	Only screening results will be reported.
7YWDRA	Y Screen analysis was conducted only. DNA analysis was not performed. Male DNA was not detected on item #3. Male DNA was detected on item #4.
7ZUZ98	NR is short for No Results.
86JLTE	Probablistic genotyping was used to deconvolute the profile of 4e. A complete major and minor component were not developed; therefore all the alleles were listed.
8AY8N8	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.
8E8GRU	NR = no result
8L3JU7	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
942W38	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
97MXLZ	[Name] performed the biology screening portion of this test. [Name] performed DNA analysis and interpretation portion of this test.
99CAK7	NR = No results.
9XVQHG	reporting results with stutter filters on
A682TZ	Due to the dilute appearance of the stain on item 4 and it having AP/Sperm+ results, no further confirmation for blood was attempted on the item after two negative Takayama results. Note: failure to obtain a positive Takayama result does not necessarily indicate the absence of blood and this test is generally used on more robust blood stains.

TABLE 6

WebCode	Additional Comments
AWCVZY	The amylase diffusion test is a presumptive test for the presence of amylase (an enzyme found in body fluids, including saliva). Item 3: Blood was presumptively detected. This test alone does not confirm the presence of blood. Item 4: The HemDirect test is not considered a confirmatory test for species (It is considered confirmatory for blood), due to the fact that some upper primates and under some conditions, ferrets, have been reported giving positive results with the HemDirect card. [Name] performed biology screening. [Name] performed lab work, interpretation, and CTS portal data entry. [Name] performed tech review of the CTS data entry.
AXQTKQ	NR = No DNA typing results obtained at this locus.
B8UYK4	Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio on the following propositions: Item 3: 1s/U, Item 4e:1s2s/UU 75:25, Item 4sp: 2s/U. NID=no interpretable data. Modified Rapid DNA analysis conducted on items 1 and 2
B973NB	Extraction: - Item 1 and 2 were extracted using in-situ method. - Item 3 was extracted using chelex extraction method. - Item 4 was extracted using chelex differential extraction method. Quantification: - Item 3 and 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuanStudio 5 Real Time PCR System. Amplification: - Item 1 and 2 were amplified using GlobalFiler Express Amplification Kit. - Item 3 and 4 were amplified using GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. - Item 2 and 4 were also amplified using Y-Filer Amplification Kit. Electrophoresis: - Electrophoresis of Item 1 and 2 (GlobalFiler Express) and Item 3 and 4 (GlobalFiler) were carried out using Genetic Analyzer 3500xl. - Electrophoresis for Y-Filer PCR products of Item 2 and 4 were carried out using Genetic Analyzer 3500xl. Quality Control: - Reagent Blank, Positive Control and Negative Control were carried out through analaysis and all gave intended results. NM: Non-male allele
BAVZK2	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
BHAMVQ	Qualified Forensic Biologists performed all screening tests. The DNA analyst reviewed and interpreted the male screen results. NR = No Results
C4NTH4	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory 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
CECMY7	The 26 allele at D2S1338 in the profile from the epithelial/NS fraction of Item 4 may be an artifact but meets the laboratory interpretation guidelines as a possible allele.
CKC8WV	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
CMKMLA	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 was extracted using Promega DNA IQ kit on Tecan Freedom 150 and Item 4 was extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express (GFE) Kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler Casework Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 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, Item2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male allele.

TABLE 6

WebCode	Additional Comments
CMZHV2	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
DDE2WL	NR= no results
DKA8PM	1. The trace no Item 3 showed the presence of human blood and DNA of female genotype, with a profile consistent with the genetic profile of the woman from whom the reference material Item 1 (victim) was collected. 2. Human blood and semen in the trace no item 4 were revealed. The obtained result in the trace marked Item 4 proves that the genetic material in the sample is mixed, i.e. it comes from at least 2 people (including at least 1 male). The evidence may be a mixture of the genetic material of the woman from whom the Item 1 (victim) reference material was collected and the man from whom the Item 2 (suspect) reference material was collected.
DMJL42	A qualified Forensic Biologist performed the NaOH Y Screen while the DNA Analyst reviewed and interpreted the male screen results. A qualified Forensic Biologist performed all screening tests listed except the KM testing, which was performed by the DNA analyst. NR = No Results.
DQJXY2	NR=Tested but No Results. Serological and Male Screen tests performed by a Forensic Biologist at the lab. The DNA analyst reviewed and interpreted the male screen results
ECTMP2	Items 3 and 4 contain blood. Presumptive* testing for human origin was positive. No semen was found on Items 3 or 4. *presumptive tests do not confirm the presence of bodily fluids or human origin. No further analysis was conducted.
EJRAG2	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory 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.
ELH9VY	The '17' allele reported at D12S391 locus for Item 4e is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as a stutter peak versus a true minor allele that would be considered with profile interpretation using probabilistic genotyping software when necessary.
EWKW64	STRmix samples analyzed with stutter filters on
F2AVW6	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 AmFlSTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFlSTR Identifiler Plus kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 4 using AmFlSTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xl for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3500xl for Item 2 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
F6N33V	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
FEEN9U	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
FFDHGZ	the separation of DNA from sperm from epithelial cells was not complete in the epithelial fraction of item 4. This was evidenced by a mixed STR profile in the epithelial fraction and a YSTR profile in both sperm and epithelial fractions of item 4.

TABLE 6

WebCode	Additional Comments
G339UG	Victim (Item 1) marked "No Interpretation" with respect to Item 4 because statistical calculations cannot be performed on the 4e fraction with the methods currently available at the laboratory for the typing kit used; however, interpretations could be made using the probabilistic genotyping method currently being validated by the laboratory. This would be reported by the laboratory as: "DNA comparisons can be conducted; however, these comparisons may require STRmix™, a probabilistic genotyping software." The interpretation for Suspect (Item 2) with respect to Item 4 applies to the 4sp fraction.
G3JUBQ	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
G687BW	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
G6NQC2	results reported with stutter filters on. Y-STR testing not performed on epithelial cell fraction of Item 4.
GBXJCK	NR = No Results. Concordant results @ DYS391 between GlobalFiler and YFiler Plus Kits
GG2MZX	NID = No Interpretable Data. Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio for the following: Item 3: Item1s_U, Item 4, fraction 1: Item1s_Item2s_UU, Item 4, fraction 2: Item2s_U. where Item 1s = known blood from female victim, Item 2s= known blood from male suspect and U = unknown
H92MZV	The 19 allele reported at D2S1338 for Item 4sp is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as an N-4 stutter peak versus a true minor allele that would be considered with profile interpretation using probabilistic genotyping software when necessary.
J2X3DQ	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
J7ANLW	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. Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
JB7LYV	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.
JE87U2	Reporting with stutter filters on.
JNUEKW	Serology and Y-screening conducted only. For item 3, male DNA was not detected. For item 4, male DNA was detected. Saliva testing was not conducted as the laboratory does not perform this type of testing.
JU3RRV	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.
JXHV8Y	reporting results with stutter filters on

TABLE 6

WebCode	Additional Comments
JY74YR	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
KBZ8VD	Female reference samples (Item 1) are not amplified in Yfiler Plus according to laboratory policy. Any samples (Item 3) yielding a male quantifiable value will be amplified in Yfiler Plus.
L8J3Y4	Reporting results with stutter filters on.
LQTRWE	NR = no results. KM testing performed by DNA analyst & all other forensic biology testing completed by qualified Forensic Biologist. #1 and #2 tested with GF & GFE; concordant results generated.
LUAMTY	reporting with stutter filters on
MAYL4B	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.
MBTCAQ	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain(s) (an) elevated stutter peak(s) which is/are being reported to the vendor as an additional comment but which has/have been modeled as stutter probabilistically during interpretation at the following locus/loci: Item 4, D16S539, Allele 15.
MGL7WR	Hello. I've noticed over the last few years the stains on the fabric swatches are growing fainter and fainter (more diluted). I take very large cuttings from these samples in order to perform serological testing, and am finding very few spermatozoa. In fact I often have to make more than one slide due to so few observed. For this testing cycle, I found a single spermatozoon on one slide, photographed it for record, and then made an additional slide from the same pellet hoping to find more. For the second slide I only found a single spermatozoon. For non-sexual assault scenario tests, this isn't such an issue since not as much blood is needed for serological testing. But for sexual assault type scenarios, sperm search is required, and as stated above, very few are found, and I'm spending quite a bit of time searching for them. Is there any way you could provide more robust semen samples? Just a thought. Thank you so much for providing this area for comments/concerns, I appreciate your help.
MRXJPR	NR = No Results. Screening testing in Part I [Table 1] performed by a qualified Forensic Biology analyst. Concordant results received between GlobalFiler DYS319 and YFiler Plus. Male screen results were reviewed by DNA analyst.
MWEXHR	MiniFiler results obtained are consistent with the Identifiler Plus results obtained from the same sample
N7D6LQ	NID = No Interpretable Data. Note: Inclusions and exclusions were conducted by the analyst outside the STRmix software program. STRmix was used, however, to create likelihood ratios on the following propositions: Item 3: 1s_U, Item 4 (e, F1 fraction): 1s2s_2U, Item 4 (sp, F2 fraction): 2sU_2U. Modified Rapid DNA analysis was conducted on Item 1.
NEQJLU	Reporting results with stutter filters on.
NKD3AM	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.

TABLE 6

WebCode	Additional Comments
NNEXHQ	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.
P9XV4U	NR=No Result. NT=Not tested; Stopped at quant. # indicates subtraction of alleles due to imperfect separation
PB32NM	Alleles not attributable to the female victim that are present in the non-sperm fraction of item 4 could be due incomplete separation or the presence of non-sperm DNA from the male suspect. All alleles present in the non-sperm fraction of item 4 are attributable to either the female victim or the male suspect.
PDUZ3K	Items 1 and 2 were ran with both GlobalFiler and GlobalFiler Express.
PE2E9Q	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory 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.
PE8WMC	NT = not tested. NR = no results
PGT2XV	Reporting with stutter filters on.
PLN6VL	Item 3 and Item 4 were additionally screened for the presence of Y-DNA using Promega Casework Direct and quantifying the DNA extracts. Item 3 was negative for the presence of Y-DNA. Item 4 was positive for the presence of Y-DNA.
PNX2PQ	could not separate Item 4 epi fraction into major and minor components at the following loci: D8S1179, D13S317, D12S391 and D2S1338. YSTR analysis done on the sperm/substrate fraction from Item 4
PPMGRL	Item 3 screened for human male DNA by Casework Direct and PowerQuant with a negative result. Item 4 screened for human male DNA by Casework Direct and PowerQuant with a positive result.
PYD6MN	The 26 allele reported at D2S1338 for Item 4e and the 21 allele reported at SE33 for Item 4 substrate fraction are in elevated stutter positions and were not filtered with the laboratory analysis software. [Item 4 substrate fraction data is maintained internally and not reported through CTS.] Per laboratory protocol, each would be modeled as a stutter peak versus a true minor allele that would be considered with profile interpretation using probabilistic genotyping software when necessary.
Q8MTZM	The '26' allele reported at (D2S1338) for Item '3' is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
QE3HNM	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.
QJFYNY	Reporting results with stutter filters on.
QP3PBU	NR - no result. # - subtraction of the corresponding sperm cell fraction per [Laboratory] policy

TABLE 6

WebCode	Additional Comments
QR9KYJ	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
QRQ2AY	reporting results with stutter filters on
QXHRPN	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.
R3R68M	Item 3 -- GlobalFiler profile had an A/TA (26) at D2S1338.
R699LQ	reporting results with stutter filters on
RHZZ6A	N/R = No typing results
RJWYEL	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.
T2KQNH	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the semen donor. No alleles are present that cannot be attributed to either the victim or the semen donor from the sperm fraction.
T2QBR9	NR = no results. NT = not tested
TD2Z8P	For items interpreted with STRmix, the Globalfiler STR results include all possible alleles for all interpreted genotypes. This may incorporate stutter peaks that would have been filtered during conventional analysis.
TZXF6Z	The DNA expertise carried out on the four (04) items allowed us to obtain the following results: - Victim DNA profile from item 1, - Suspect DNA profile from item 2, - Y STR haplotype was obtained from item 2 (for database purpose), - DNA profile of the victim obtained from of blood stain revealed on the yellow tissue item 3, - A DNA mixture of two people of opposite sexes was obtained from the questionned stain from blanket (blue) item 4 (semen + blood). the mixture ratio otained is aproximatively 1:1. With the differential extraction the male and female fractions were clearly separated, and two separrated profils was obtained. nb: we noticed that on your data sheet interface that for a differential extraction the DNA profiles are filled for the fraction "sp" and "e", respectively for spermatic and epithilial, in our laboratory we speak of fractions "m" and "f", for male and female. We suppose in this case 20-5706 that the female DNA profile is obtain from a blood sample revealed on the mixed stain of item 4. thanks
UQGV6D	The probabilistic genotyping software, STRmix, was used for all DNA interpretation. All potential alleles considered during deconvolution have been reported.
UTARRL	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory 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.
UWUMJL	Human blood was detected on the suspects shirt (item 3) and the blanket (item 4). NT=Not tested

TABLE 6

WebCode	Additional Comments
UZ9EJL	AP test on item #4 was inconclusive due to substrate color. Only serology tests were performed.
V3A2UP	#indicates subtraction of the corresponding fraction. NR=no result
V6KG83	16 allele at D8S1179 determined to be elevated forward stutter for item 4 sperm fraction.
V8PAZG	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male donor of the sperm fraction. No alleles are present that cannot be attributed to the victim or the male donor of the sperm fraction.
VAXPNU	Reporting results with stutter filters on
W2DLYK	Item 4: AP test was inconclusive due to fabric color
W3U62P	Item 4e: elevated n-4 stutter at D2S1338, 26 peak was 11.79% of 27 allele
W7MYGH	Item 4 contains semen. No semen was found on Item 3. Items 3 and 4 contain blood. Presumptive* testing for human origin was positive. No further analysis was conducted. *presumptive tests do not confirm the presence of bodily fluids or human origin.
WE38ZT	stutter filters on
WJXCYJ	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory 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.
WY8MJ6	NT = NOT TESTED. NR = NO RESULT
XBJVUG	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.
XCEV2M	Item 3 gave a positive result for the Seratec PSA test. The test was repeated with a second sample from Item 3 and was also positive for PSA. No sperm cells or AP were detected. The results were inconclusive for the presence of semen. A differential DNA extraction was performed on Item 3 due to the positive PSA results. A trace of male DNA was detected in both DNA fractions, but no foreign autosomal (Globalfiler) DNA types to the victim were detected in either fraction.
XG67BK	Data analyzed with stutter filters on.
XGN9JL	Item 3 deleted N+4 at SE33. Item 4 epithelial fraction deleted N+4 at SE33 and N-4 at D2S1338.
XHJ6D3	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.
XJD2NH	Human blood detected using AbaCard Hematrace test.

TABLE 6

WebCode	Additional Comments
XMRTNH	Item 4: AP test inconclusive due to fabric color. -- Additional genetic information may be present. No additional peaks were detected; detected data is below stochastic threshold. * Indistinguishable from artifact; peak meets both conditions of being stutter and a minor contributor allele.
XTXMZL	# - indicates that the associated known donor or corresponding profile was subtracted per [Laboratory] policy
XZZYWJ	For items interpreted with STRmix, the GlobalFiler STR results include all possible alleles for all interpreted genotypes. This may incorporate stutter peaks that would have been filtered during conventional analysis.
Y624TD	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contains an elevated stutter peak which is being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus/loci: Item 3, vWA, peak 18. Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
Y98FZF	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.
Y9LJD2	NR = No results, NT = Not tested
YFM92D	[Initials] 11/24/2020
YWDGEX	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians
YWT9DM	Semen positive test result for Item 4 was based on PSA screening test only.
ZDBVWG	The 13 allele reported at D2S441 for Item 4 F2 is in an elevated stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
ZGUBHP	Reporting results with stutter filters on.
ZPAWQT	Probability of identity of item 3 profile using allele frequencies for European population is 1,59 x 10-31. Likelihood ratio for hypothesis that item 1 and item 2 are contributors of genotypes to item 4 is 1,13x1047. It means that the probability that item 1 and item 2 are contributors of profiles in item 4 mixture is 1,13x1047 bigger than the contributors of the item 4 mixture being two unknown persons from a European population.
ZZBGRZ	NR = No result

-End of Report-
(Appendix may follow)

Test No. 20-5706: Forensic Biology

DATA MUST BE SUBMITTED BY **Dec. 21, 2020, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A   WebCode: BWD26Z

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 sexual assault of a female victim. The victim states she was leaving a bar and called for a ride. After being picked up she noticed the driver was not driving towards her home. The driver pulled into an empty parking lot and then climbed into the back seat. He then beat and sexually assaulted her before throwing her out of the car. Police were able to identify the suspect through records provided by the taxi company. Investigators are submitting a stain from the shirt (Item 3) the suspect was wearing and a stain from a blanket (Item 4) found on the backseat of the suspect's car. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack B6):
Item 1: Known blood from the female victim
Item 2: Known blood from the male suspect
Item 3: Questioned stain from suspect's shirt (yellow)
Item 4: Questioned stain from blanket (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:	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	●	○	○	○	KM, O-tol, PTMB
Semen	○	●	○	○	PSA
Saliva	○	○	○	●	
Other Specified Body Fluid	○	○	○	○	

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

Item 3:

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	○	○	○	○	
Semen	○	○	○	○	
Saliva	○	○	○	○	
Other:	○	○	○	○	

Item 4:

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	○	○	○	○	
Semen	○	○	○	○	
Saliva	○	○	○	○	
Other:	○	○	○	○	

Part II: DNA Results for Known Item 1

- Report alleles in numerical order, separated by a comma.
- Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X) and null responses.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].

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

☐ Identifiler® [   ]   ☐ GlobalFiler™ [   ]   ☐ Investigator® 24plex [   ]

☐ PowerPlex® [   ]   Other [   ]

Report the Probabilistic Genotyping Software Used (if applicable): [   ]

*Alleles below are sorted in **Default** order.*

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

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

☐ YFiler™ [   ]   ☐ PowerPlex® Y [   ]   Other [   ]

*Alleles below are sorted in **Default** order.*

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

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

- Report alleles in numerical order, separated by a comma.
- Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X) and null responses.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].

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

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

*Alleles below are sorted in **Default** order.*

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

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

☐ YFiler™ ☐ PowerPlex® Y Other

*Alleles below are sorted in **Default** order.*

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

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

- Report alleles in numerical order, separated by a comma.
- Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X) and null responses.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].

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

☐ Identifiler® [_____]   ☐ GlobalFiler™ [_____]   ☐ Investigator® 24plex [_____]

☐ PowerPlex® [_____]   Other [_____]

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

Did you perform a differential extraction of Item 3?   YES ○   NO ○

*Alleles below are sorted in **Default** order.*

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3						
3 e						
3 sp						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3						
3 e						
3 sp						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
3						
3 e						
3 sp						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
3						
3 e						
3 sp						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
3						
3 e						
3 sp						

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

☐ YFiler™ [_____]   ☐ PowerPlex® Y [_____]   Other [_____]

Did you perform a differential extraction of Item 3?   YES ○   NO ○

*Alleles below are sorted in **Default** order.*

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3									
3 e									
3 sp									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
3									
3 e									
3 sp									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
3									
3 e									
3 sp									

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

- Report alleles in numerical order, separated by a comma.
- Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X) and null responses.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].

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

☐ Identifiler® [＿＿＿＿]   ☐ GlobalFiler™ [＿＿＿＿]   ☐ Investigator® 24plex [＿＿＿＿]

☐ PowerPlex® [＿＿＿＿]   Other [＿＿＿＿]

Report the Probabilistic Genotyping Software Used (if applicable): [＿＿＿＿＿＿＿＿]

Did you perform a differential extraction of Item 4?   YES ○   NO ○

*Alleles below are sorted in **Default** order.*

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4						
4 e						
4 sp						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4						
4 e						
4 sp						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4						
4 e						
4 sp						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
4						
4 e						
4 sp						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
4						
4 e						
4 sp						

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

☐ YFiler™ [＿＿＿＿]   ☐ PowerPlex® Y [＿＿＿＿]   Other [＿＿＿＿]

Did you perform a differential extraction of Item 4?   YES ○   NO ○

*Alleles below are sorted in **Default** order.*

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4									
4 e									
4 sp									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
4									
4 e									
4 sp									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
4									
4 e									
4 sp									

Part II (continued): DNA Analysis – Additional DNA

- Use this section to report results for loci not currently listed in other sections of the data sheet.
- Report alleles in numerical order, separated by a comma.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [ ].
- Click "Add Row" to show another row of boxes for entry.

Did you perform a differential extraction of Item 3?   Yes ○   No ○

Did you perform a differential extraction of Item 4?   Yes ○   No ○

Locus	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp

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)?

	Victim (Item 1)			Suspect (Item 2)	
	Item 3	Item 4		Item 3	Item 4
Yes	○	○	Yes	○	○
No	○	○	No	○	○
Inconclusive	○	○	Inconclusive	○	○
No Interpretation	○	○	No Interpretation	○	○

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)