



Forensic Biology Test No. 19-5706 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 333 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains on Items 1, 2, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain on Item 4 was a mixture prepared from human whole blood and semen. The semen was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Item 1 (75 μ l) was created using blood collected from a female donor. Item 2 (75 μ l) was created using blood collected from a male donor. Item 3 (50 μ l) was a 1:1 mixture that was prepared using blood from the Item 1 female donor and blood from the Item 2 male donor. Item 4 (50 μ l) was a 1:1 mixture that was prepared using blood from the Item 1 female donor and semen from a third party male donor whose known standard was not provided. 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 15, 2019 following completion of the verification stage.

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

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci.

Manufacturer's Information, continued

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
<hr style="border-top: 1px dashed #000;"/>						
1	13,18	18,20	11.3,14	15,16	12,13	11,11
	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17	NM	NM	NM	NM	
<hr style="border-top: 1px dashed #000;"/>						
2	15,16	18,20	11,13	17,17	11,11	19,19
	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18	2	
<hr style="border-top: 1px dashed #000;"/>						
3	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	11,19
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18	2	
<hr style="border-top: 1px dashed #000;"/>						
4-Blood	13,18	18,20	11.3,14	15,16	12,13	11,11
	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17	NM	NM	NM	NM	
<hr style="border-top: 1px dashed #000;"/>						
4-Semen	15.3,16	22,24	13,14	17,18	12,13	13,16
	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18	2	

YSTR Results									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
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
<hr style="border-top: 1px dashed #000;"/>									
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	13	18	18	23	23	10	12
<hr style="border-top: 1px dashed #000;"/>									
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	13	18	18	23	23	10	12
<hr style="border-top: 1px dashed #000;"/>									
4-Semen	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	13	17	18	22	25	10	11

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

Summary Comments

The 19-5706 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). Item 1 was created using blood from a female donor. Item 2 was created using blood from a male donor. Item 3 was created using a mixture of blood from the female donor used for Item 1 and blood from the male donor used for Item 2. Item 4 was created using a mixture of blood from the female donor used for Item 1 and semen from a male donor, different from the male donor used for Item 2. (See Manufacturer's Information for preparation details)

Data were returned by 333 participants.

Screening Test Results:

Screening results were returned by a total of 314 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. All of the 293 participants that returned results for semen reported "Negative" results. All of the 106 participants that returned results for saliva reported "Negative" results.

For Item 4, all 305 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, 295 participants reported "Positive" results, two participants reported "Negative" results, and one participant reported "Inconclusive" results. For the presence of saliva, 107 participants reported "Negative" results and one participant reported "Inconclusive" results.

DNA Analysis Results:

Of the 333 participants that returned results, 315 reported DNA interpretations. Seven participants stated that the samples were only analyzed for database purposes, nine did not respond, and two selected the "No Interpretations" option individually for all Interpretation questions.

For the Item 3 stain, the breakdown is as follows: All of the participants that reported interpretations included the victim (Item 1) and suspect (Item 2) as possible contributors.

For the Item 4 stain, the breakdown is as follows: All of the participants that reported interpretations included the victim (Item 1) as a possible contributor and excluded the suspect (Item 2) as a possible contributor.

A total of 137 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. Inconsistent results were reported by 28 of these participants. The breakdown of inconsistencies is as follows: 24 (86%) reported additional alleles for one or more questioned items, four were missing alleles, and one reported an allele that differed from the consensus. The majority of participants reporting the use of PG software stated in their additional comments that stutter 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. The breakdown of inconsistencies is as follows: eight reported additional alleles, eight were missing alleles, and four reported allelic results that differed from the consensus.

Key for Screening Tests Used

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

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

Serology Screening Results

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

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
26CGMJ							
Item 3	Pos	LMG	Neg	AP	Neg	RSID	
Item 4	Pos	LMG	Pos	AP, PSA	Neg	RSID	
2877D8							
Item 3	Pos	KM, HemaTrace	NT		NT		
Item 4	Pos	KM, HemaTrace	NT		NT		
2CLVGG							
Item 3	Pos	KM, HemaTrace	Neg	ALS, AP	Neg	ALS, RSID-Saliva	
Item 4	Pos	KM, HemaTrace	Pos	ALS, AP, p30, Micro	Neg	ALS, RSID-Saliva	
2J3BF7							
Item 3	Pos	Hemastix, HemaTrace	Neg	AP, p30, Micro	Neg	RSID-Saliva	
Item 4	Pos	Hemastix, HemaTrace	Pos	AP, p30, Micro	Neg	RSID-Saliva	
2JFZAH							
Item 3	Pos	KM, Hemastix, HemaTrace	Neg	AP, ALS	Neg	RSID Saliva	
Item 4	Pos	KM, HemaTrace	Pos	AP, p30, Micro, ALS	Neg	RSID Saliva	
2LQKG7							
Item 3	Pos	KM, HemaTrace	NT		NT		
Item 4	Pos	KM, HemaTrace	NT		NT		
2ML9TA							
Item 3	Pos	KM, HemaTrace	Neg	AP, Seratec	NT		
Item 4	Pos	KM, HemaTrace	Pos	AP, Seratec, Micro	NT		
2VQF9A							
Item 3	Pos	KM, HemaTrace	Neg	AP, Seratec	NT		
Item 4	Pos	KM, HemaTrace	Pos	AP, Seratec, Micro	NT		
2W7PAN							
Item 3	Pos	KM	Neg	Micro, p30 (PSA)	Neg	Phadebus	Screen for male DNA, Pos NaOH Y screen
Item 4	Pos	KM	Pos	Micro, p30 (PSA)	Neg	Phadebus	Screen for male DNA, Pos NaOH Y screen
2X97Y8							
Item 3	Pos	TMB, HemaTrace	Neg	AP, PSA	Neg	RSID	
Item 4	Pos	TMB, HemaTrace	Pos	AP, Micro	Neg	RSID	
2XFLMZ							
Item 3	Pos	LMG, HemaTrace	Neg	PSA, Micro			
Item 4	Pos	LMG, HemaTrace	Pos	PSA, Micro			

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
2YPQZN					
Item 3	Pos	Hemochromogen	Neg AP	NT	
Item 4	Pos	Hemochromogen	Pos AP, Micro	NT	
2YRNCK					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, PSA, Micro	NT	
369GYN					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro, PSA	NT	
39HBGM					
Item 3	Pos	KM	Neg ALS, FBB	NT	
Item 4	Pos	KM	Pos ALS, FBB, PSA	NT	
3BW4R9					
Item 3	Pos	KM	Neg ALS, AP	NT	ALS
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
3HWJHG					
Item 3	Pos	LMG	Neg AP	Neg RSID Saliva	
Item 4	Pos	LMG	Pos AP, PSA	Neg RSID Saliva	
3L3Y37					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
43RANN					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
44DFBC					
Item 3	Pos	KM, HemaTrace	Neg PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos PSA, Micro	NT	
44L4BK					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
4674XE					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
47NVD6					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
4FY7WH					
Item 3	Pos	KM, combur (TMB)	Neg AP, PSA	Neg Phadebas	
Item 4	Pos	KM, combur (TMB)	Pos AP, PSA, Micro	Neg Phadebas	
4GW3F4					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro, PSA	NT	
4JABEJ					
Item 3	Pos	KM, HemaTrace	Neg PSA, Micro	NT	
Item 4	Pos	KM, HemaTrace	Pos PSA, Micro	NT	
4KZTQP					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
4LCB43					
Item 3	Pos	O-tol, HemDirect	Neg AP, PSA	Neg RSID	
Item 4	Pos	O-tol, HemDirect	Pos AP, PSA	Neg RSID	
4VRXHJ					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
4X8JRC					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos AP, p30, Micro	Neg RSID	
4Z6NWL					
Item 3	NT		Neg AP	NT	
Item 4	NT		Pos AP, PSA, Micro	NT	
63WFT9					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro	Neg Phadebas	Presence of Male DNA, Pos Y-SCR(Quant.Trio)
Item 4	Pos	KM, HemaTrace	Pos AP, Micro	Neg Phadebas	Presence of Male DNA, Pos Y-SCR(Quant.Trio)
6AGENM					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
6G7YXA					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg phadebas	Human DNA detected, Pos Quant Trio
Item 4	Pos	KM	Pos ALS, AP, Micro	Neg phadebas	Human DNA detected, Pos Quant Trio

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
6G8MKF				
Item 3	Pos KM, Takayama, HemaTrace	Neg AP, p30, Micro	NT	
Item 4	Pos KM, Takayama, HemaTrace	Pos AP, p30, Micro	NT	
6JH4YW				
Item 3	Pos LMG, HemaTrace	Neg AP, PSA, Micro, ALS	NT	
Item 4	Pos LMG, HemaTrace	Pos AP, PSA, Micro, ALS	NT	
6JRLNC				
Item 3	Pos KM, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos KM, HemaTrace	Pos AP, PSA	Neg RSID	
6K3MAB				
Item 3	Pos KM, Takayama, HemaTrace	Neg AP, Micro, p30	Neg Phadebas, RSID-Saliva	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos KM, Takayama	Pos AP, Micro, p30	Neg Phadebas, RSID-Saliva	Human Origin, Pos PowerQuant
6LG3U4				
Item 3	Pos LMG	Neg ALS, AP	NT	
Item 4	Pos LMG	Pos ALS, AP, Micro	NT	
6LGWWH				
Item 3	Pos KM	Neg ALS, AP	NT	
Item 4	Pos KM	Pos ALS, AP, Micro	NT	
6LQEXL				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
6TH9RE				
Item 3	Pos KM, Combur (TMB)	Neg AP, PSA	Neg Phadebas	
Item 4	Pos KM, Combur (TMB)	Pos AP, Micro, PSA	Neg Phadebas	
6WTCAG				
Item 3	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID	
Item 4	Pos KM, HemaTrace	Pos PSA, Micro	Neg RSID	
6XHMWN				
Item 3	Pos HemaTrace, PTMB	Neg PSA	Neg RSID	Male DNA, Pos Y-Screening
Item 4	Pos HemaTrace, PTMB	Pos PSA	Neg RSID	Male DNA, Pos Y-Screening
77277U				
Item 3	Pos KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
77NNCP					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
7AHQTA					
Item 3	NT		NT	NT	Y-Screen, Pos
Item 4	NT		NT	NT	Y-Screen, Pos
7B9RWD					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
7FX8ED					
Item 3	Pos	TMB, Phenolphthalein, HemaTrace	Neg AP	NT	
Item 4	Pos	TMB, Phenolphthalein, HemaTrace	Pos AP, Micro, PSA	NT	
7RFR3V					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
7RTN2T					
Item 3	Pos	O-tol	Neg AP, ALS	NT	
Item 4	Pos	O-tol	Pos AP, Micro, ALS	NT	
7ZMTVU					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	Pos AP, Micro	Neg Micro	
7ZR9CF					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, PSA, Micro	NT	
8F42L6					
Item 3	Pos	KM	Neg AP, Micro	Neg RSID	
Item 4	Pos	KM	Pos AP, Micro	Neg RSID	
8FYL7J					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
8PNA48					
Item 3	Pos	KM, HemDirect	Neg ALS, AP, Micro	NT	
Item 4	Pos	KM, HemDirect	Pos ALS, AP, Micro	NT	
8PQZCB					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro, p30	Neg SALLgAE	
Item 4	Pos	KM, HemaTrace	Pos AP, Micro	Neg SALLgAE	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
8R8BU8					
Item 3	Pos	KM; HemaTrace	Neg	ALS; AP; Micro	
Item 4	Pos	KM; HemaTrace	Pos	ALS; AP; Micro	
8RCL3C					
Item 3	Pos	KM	Neg	AP	NT
Item 4	Pos	KM	Pos	AP, PSA, Micro	NT
8TPEXE					
Item 3	Pos	color, ppth, O-tol	Neg	AP, Micro	NT
Item 4	Pos	color, ppth, O-tol	Pos	AP, Micro	NT
8W29LJ					
Item 3	Pos	LMG, Human Hb test	Neg	AP	NT
Item 4	Pos	LMG	Pos	AP, Micro, H&E SLIDE:FEW	NT
92PEEC					
Item 3	Pos	KM, TMB	Neg	Micro, PSA	NT
Item 4	Pos	KM, TMB	Pos	Micro, PSA	NT
96GAQZ					
Item 3	Pos	KM, HemaTrace	NT		NT
Item 4	Pos	KM, HemaTrace	NT		NT
96KP4Z					
Item 3	Pos	KM	Neg	AP	NT
Item 4	Pos	KM	Pos	AP, Micro	NT
9BD74P					
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	NT
Item 4	Pos	KM, HemaTrace	Pos	AP, PSA, Micro	NT
9JNRPX					
Item 3	Pos	TMB, HemDirect	Neg	Zn, AP, PSA	Neg RSID
Item 4	Pos	TMB, HemDirect	Pos	Zn, AP, PSA	Neg RSID
9LD2XE					
Item 3	Pos	KM	Neg	AP	NT
Item 4	Pos	KM	Pos	AP	NT
					Spermatozoa, Pos Micro
9PNKMG					
Item 3	Pos	KM, HemDirect	Neg	ALS, AP, PSA, Micro	NT
Item 4	Pos	KM, HemDirect	Pos	ALS, AP, PSA, Micro	NT
9PNRL3					
Item 3	Pos	LMG	Neg	AP, ALS	Neg Amylase, ALS Human Blood, Pos RSID
Item 4	Pos	LMG	Pos	AP, PSA, Micro, ALS	Neg Amylase, ALS Human Blood, Pos RSID

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
9QYMAF					
Item 3	Pos	HemDirect	Neg PSA	NT	
Item 4	Pos	HemDirect	Pos PSA, Micro	NT	
9R2GQR					
Item 3	Pos	LMG, HemaTrace	Neg Micro, PSA	NT	
Item 4	Pos	LMG, HemaTrace	Pos Micro, PSA	NT	
9VTCYY					
Item 3	Pos	TMB	Neg AP	NT	
Item 4	Pos	TMB, HemaTrace	Pos AP, Micro, PSA	Neg RSID Saliva	
A42KME					
Item 3					screen for male DNA, Pos NaOH Y screen
Item 4					screen for male DNA, Pos NaOH Y screen
A4K969					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg RSID-Saliva	
Item 4	Pos	KM, HemaTrace	Pos AP, p30, Micro	Neg RSID-Saliva	
A68UHC					
Item 3	Pos	KM, Hemastix	Neg AP, PSA	NT	
Item 4	Pos	KM, Hemastix	Pos AP, PSA, Micro	NT	
AB997Y					
Item 3	Pos	Hemastix	Neg AP	NT	
Item 4	Pos	Hemastix	Pos AP	NT	
ACVEW6					
Item 3	Pos	KM	Neg Micro, PSA	Neg RSID Saliva	Human, Pos PowerQuant
Item 4	Pos	KM	Pos Micro	NT	Human, Pos PowerQuant
AG7LFH					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
AHYLB9					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro, PSA	NT	
AJKFQ9					
Item 3	Pos	TMB, PHT, HemaTrace	Neg AP	NT	
Item 4	Pos	TMB, PHT, HemaTrace	Pos AP, Microscopic, PSA	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
ALWVKA					
Item 3	Pos	Phenolphthalein, TMB, HemaTrace	Neg AP	NT	
Item 4	Pos	Phenolphthalein, TMB, HemaTrace	Pos AP, PSA, Micro	NT	
AMM7B3					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
AMV3R9					
Item 3	Pos	TMB, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos	TMB, HemaTrace	Pos ALS, AP, PSA, Micro	Neg RSID	
APL4XW					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
AUR6QE					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
AW9VHW					
Item 3	Pos	Hemastix	Neg ALS & AP	Neg ALS & RSID	
Item 4	Pos	Hemastix	Pos ALS, AP, RSID & Micro	Neg ALS & RSID	
B22QAM					
Item 3	Pos	FOB	Neg PSA	Neg RSID	
Item 4	Pos	FOB	Pos PSA	Neg RSID	
B932M7					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
B943A6					
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
B9JENN					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	Pos ALS, AP, PSA, Micro	NT	
BB9R88					
Item 3	Pos	KM, TMB	Neg Micro, PSA	NT	
Item 4	Pos	KM, TMB	Pos Micro, PSA	NT	

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
BC3E3J							
Item 3	Pos	O-tol	Neg	AP, PSA, Micro	NT		
Item 4	Pos	O-tol	Pos	AP, PSA, Micro	NT		
BHN7DJ							
Item 3	Pos	LMG	Neg	AP, p30	NT		
Item 4	Pos	LMG	Pos	AP, p30, Micro	NT		
BN26X4							
Item 3	Pos	LMG, HemaTrace	Neg	AP, Micro, PSA	NT	Male DNA screen, Pos Y-Screen extraction and quantitation	
Item 4	Pos	LMG, HemaTrace	Pos	AP, Micro, PSA	NT	Male DNA screen, Pos Y-Screen extraction and quantitation	
BRXQGE							
Item 3	Pos	KM	Neg	AP, Micro	NT		
Item 4	Pos	KM	Pos	AP, Micro	NT		
BXHV8U							
Item 3	Pos		Neg	RSID, AP, PSA	Neg		
Item 4	Pos		Pos	RSID, AP, PSA	Neg		
BZ86EA							
Item 3	Pos	KM, Hemastix	Neg	AP, PSA	NT		
Item 4	Pos	KM, Hemastix	Pos	AP, PSA, Micro	NT		
C7GGJ3							
Item 3	Pos	KM	Neg	ALS, AP, Micro	Neg	ALS, Phadebas	Human DNA detected, Pos Quantifiler Trio
Item 4	Pos	KM	Pos	ALS, AP, Micro	Neg	ALS, Phadebas	Human DNA detected, Pos Quantifiler Trio
C8RDVY							
Item 3	Pos	KM	Neg	ALS, AP	NT		
Item 4	Pos	KM	Pos	ALS, AP, Micro	NT		
C9M2AN							
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas	
Item 4	Pos	KM, HemaTrace	Pos	AP, PSA, Micro	Neg	Phadebas	
CATNG2							
Item 3	Pos	KM, HemaTrace	Neg	AP, Seratec	NT		
Item 4	Pos	KM, HemaTrace	Pos	AP, Seratec, Micro	NT		
CAUKKP							
Item 3	Pos	LMG	Neg	AP, Micro, PSA	NT		
Item 4	Pos	LMG	Pos	AP, Micro, PSA	NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
CEQ4C4					
Item 3	NT		NT	NT	Male DNA Screen, Pos Y-screen Quant Trio
Item 4	NT		NT	NT	Male DNA Screen, Pos Y-screen Quant Trio
CLU6G4					
Item 3	Pos LMG		Neg ALS, AP	NT	
Item 4	Pos LMG		Pos ALS, AP, Micro	NT	
CPTGC4					
Item 3	Pos LMG		Neg AP	NT	
Item 4	Pos LMG		Pos AP, Micro	NT	
CRDA2C					
Item 3	Pos KM		Neg AP, Micro	NT	
Item 4	Pos KM		Pos AP, Micro	NT	
CY8XEC					
Item 3	Pos KM		Neg ALS, AP	NT	
Item 4	Pos KM		Pos ALS, AP, Micro	NT	
CZ8FUD					
Item 3	Pos KM		Neg AP, Micro	NT	
Item 4	Pos KM		Pos AP, Micro	NT	
CZR4E9					
Item 3	Pos KM and HemaTrace		Neg PSA	Neg RSID	
Item 4	Pos KM and HemaTrace		Pos PSA and Micro	Neg RSID	
D4PVAC					
Item 3	Pos KM		Neg Sperm, p30	Neg Amy	Screen for Male DNA, Pos NaOH Y Screen
Item 4	Pos KM		Pos Sperm, p30	Neg Amy	Screen for Male DNA, Pos NaOH Y Screen
D7BTD9					
Item 3	Pos KM		Neg AP	NT	
Item 4	Pos KM		Pos AP, Micro	NT	
D9EL2Z					
Item 3	Pos O-tol, Seratec PMB		Neg AP, Micro, Seratec PSA	Neg Micro, Seratec Amylase	Vomit, feces, urine, menstrual Blood, Neg Peptest, Urobilinogen, Creatinine, DMAC, Seratec PMB
Item 4	Pos O-tol, Seratec PMB		Pos AP, Micro, Seratec PSA	Neg Micro, Seratec Amylase	Vomit, feces, urine, menstrual Blood, Neg Peptest, Urobilinogen, Creatinine, DMAC, Seratec PMB

TABLE 1

Webcode	Fluid ID						
	Item	Blood	Semen	Saliva	Other		
DBJAJB							
Item 3	Pos	TMB, RSID	Neg	AP, RSID	Neg	RSID	
Item 4	Pos	TMB, RSID	Pos	AP, RSID	Neg	RSID	
DEJDCJ							
Item 3	Pos	O-tol, HemDirect Assay test card	Neg	ALS, AP, Micro, PSA	Neg	Immunochromatographic strip test	
Item 4	Pos	O-tol, HemDirect Assay test card	Pos	ALS, AP, Micro, PSA	Neg	Immunochromatographic strip test	
DF7MW2							
Item 3	Pos	KM	Neg	AP	NT		
Item 4	Pos	KM	Pos	AP, PSA, Micro	NT		
DLRGTY							
Item 3	Pos	Hemident, HemaTrace	Neg	ABAcad p30	NT		
Item 4	Pos	Hemident, HemaTrace	Pos	ABAcad p30	NT		
DPUN33							
Item 3	Pos	KM, ABACard	Neg	AP	Neg	Phadebas Press	
Item 4	Pos	KM, ABACard	Pos	AP, PSA	Neg	Phadebas Press	
DTBZWX							
Item 3	Pos	LMG	Neg	ALS, AP	Neg	ALS, Amylase gel	Human Blood, Pos RSID
Item 4	Pos	LMG	Pos	ALS, AP, Micro	Inc	ALS, Amylase gel	Human Blood, Pos RSID
DUMHCX							
Item 3	Pos	KM	Neg	ALS, AP	NT		
Item 4	Pos	KM	Pos	ALS, AP, Micro	NT		
E7U3RV							
Item 3	Pos	LMG	Neg	AP, ALS	NT		
Item 4	Pos	LMG	Pos	AP, Micro, ALS	NT		
E8ZEFJ							
Item 3	Pos	LMG, HemaTrace	Neg	ALS, AP, Micro, PSA	NT		
Item 4	Pos	LMG, HemaTrace	Pos	ALS, AP, Micro, PSA	NT		
E94THY							
Item 3	Pos	KM	Neg	AP, Micro	Neg	RSID	
Item 4	Pos	KM	Pos	AP, Micro	Neg	RSID	
EE3L6Y							
Item 3	NT		Neg	AP	NT		
Item 4	NT		Pos	AP	NT		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
EGXXBZ					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg	RSID
Item 4	Pos	KM	Pos AP, Micro, ALS	Neg	RSID
EHYC2X					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
ELXMWX					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
ERFKBT					
Item 3	Pos	TMB, HemaTrace	Neg AP, PSA	Neg	RSID
Item 4	Pos	TMB, HemaTrace	Pos AP, PSA, Micro	Neg	RSID
EVUC99					
Item 3	Pos	KM, HB	Neg AP	NT	
Item 4	Pos	KM, HB	Pos AP, Micro, PSA	NT	
EZGBC3					
Item 3	Pos	KM, Takayama	Neg AP	Neg	Phadebas Human Origin, Pos PowerQuant
Item 4	Pos	KM, Takayama	Pos AP, Micro	Neg	Phadebas Human Origin, Pos PowerQuant
F9VCDX					
Item 3	Pos	Hemident, HemaTrace	Neg ABACard p30	NT	
Item 4	Pos	Hemident, HemaTrace	Pos ABACard p30	NT	
FT4DTP					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
FW7GCP					
Item 3	Pos	TMB, HemaTrace	Neg AP, PSA	Neg	RSID
Item 4	Pos	TMB, HemaTrace	Pos AP, PSA, Micro	NT	
FXMW34					
Item 3	Pos	PTMB	Neg AP	NT	
Item 4	Pos	PTMB	Pos AP, Micro	NT	
FXUPLZ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FZ28KW					
Item 3	Pos	Hemident, HemaTrace	Neg p30	NT	
Item 4	Pos	Hemident, HemaTrace	Pos p30	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
FZ6T9P					
Item 3	Pos	TMB, HemaTrace	Neg AP	Neg RSID Saliva	
Item 4	Pos	TMB, HemaTrace	Pos AP, PSA, Micro	Neg RSID-Saliva	
G6XMZE					
Item 3	Pos	HemaTrace	Neg PSA	NT	
Item 4	Pos	HemaTrace	Pos PSA	NT	
G7GAZX					
Item 3	Pos	KM	Neg PSA	Neg RSID-Saliva	Human, Pos PowerQuant
Item 4	Pos	KM	Pos PSA, Micro	NT	Human, Pos PowerQuant
G8QCKV					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP, PSA, Micro	NT	Saliva tests are not performed at the [Location] Forensics Laboratory.
Item 4	Pos	KM, HemaTrace	Pos ALS, AP, PSA, Micro	NT	Saliva tests are not performed at the [Location] Forensics Laboratory.
GD7TDD					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos KM, ALS, AP, Micro	NT	
GE9KBD					
Item 3	Pos	KM	Neg AP (no Micro confirmation)	NT	
Item 4	Pos	KM	Pos AP, Micro for Sperm	NT	
GG9JX8					
Item 3	Pos	KM	Neg AP	NT	Y-Screening, Pos Promega, Casework Direct Kit, Custom
Item 4	Pos	KM	Neg AP	NT	Y-Screening, Pos Promega, Casework Direct Kit, Custom
GGYV27					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, PSA	NT	
GHQ34H					
Item 3	Pos	KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos	KM	Pos AP, Micro	Neg Phadebas	
GK68A9					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
GLA2GC					
	Item 3		Neg PSA		
	Item 4		Pos PSA		
GTDYFW					
	Item 3	Pos KM	Neg AP	NT	
	Item 4	Pos KM	Pos AP, PSA, Micro	NT	
GYTREU					
	Item 3	Pos KM, LMG, HemaTrace	Neg ALS, AP, PSA	Neg Saligae	
	Item 4	Pos KM, LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
H3KW3Z					
	Item 3	Pos KM, HemaTrace	Neg AP, Micro, p30	Neg SALLgAE	
	Item 4	Pos KM, HemaTrace	Pos Micro	Neg SALLgAE	
H3ZFMW					
	Item 3	Pos KM	Neg AP, p30, Micro	Neg Amylase Diffusion plate	
	Item 4	Pos KM	Pos AP, p30, Micro	Neg Amylase Diffusion plate	
H8KLPW					
	Item 3	Pos KM, ABACard HemaTrace	Neg AP	Neg Phadebas press test	
	Item 4	Pos KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas press test	
H9E8KA					
	Item 3	Pos KM	Neg AP		
	Item 4	Pos KM	Pos AP, Micro		
HNTFKD					
	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	
HRBVV6					
	Item 3	Pos KM	Neg AP, Micro	NT	
	Item 4	Pos KM	Pos AP, Micro	NT	
HU4A44					
	Item 3	Pos KM, HemaTrace	Neg p30	Neg RSID	
	Item 4	Pos KM, HemaTrace	Pos p30, Micro	Neg RSID	
HUWJ76					
	Item 3	Pos KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
	Item 4	Pos KM, HemaTrace	Pos PSA, Micro	Neg RSID	Male DNA, Pos Y-screening

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
HXWQR3					
Item 3	Pos	LMG	Neg AP	Neg	RSID Saliva
Item 4	Pos	LMG	Pos AP, PSA	Neg	RSID Saliva
HZCNXL					
Item 3	Pos	KM	Neg ALS, AP, Micro, PSA	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
J3ATLQ					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Pos AP, Micro, p30	NT	
J4BGAV					
Item 3	Pos	KM	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM	Pos AP, PSA, Micro	NT	
JA7LND					
Item 3	Pos	O-tol	Neg ALS, AP	NT	
Item 4	Pos	O-tol	Pos ALS, AP, Micro	NT	
JCXNGZ					
Item 3	Pos	KM, HemaTrace	Neg PSA	Neg	RSID
Item 4	Pos	KM, HemaTrace	Pos PSA, Micro	Neg	RSID
JDUXTP					
Item 3	Pos	HemaTrace, PTMB	Neg AP	NT	
Item 4	Pos	HemaTrace, PTMB	Pos AP, p30, Micro	NT	
JE6V88					
Item 3	Pos	KM, O-tol, HemaTrace, Takayama	Neg Christmas Tree Stain, ABACard p30	NT	screen for male DNA, Pos NaOH Y screen
Item 4	Pos	KM, O-tol, RSID Blood	Pos Christmas Tree Stain, ABACard p30	NT	screen for male DNA, Pos NaOH Y screen
JFGJKR					
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
JGRJDZ					
Item 3	Pos	O-tol	Neg ALS, AP	NT	
Item 4	Pos	O-tol	Pos ALS, AP, Micro, PSA	NT	
JJ3JLT					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, PSA, Micro	NT	
JQJ4KY					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Pos AP, Micro, PSA	Neg	RSID

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
JTQBA7					
Item 3	Pos	KM	Neg AP	NT	Screen for male DNA, Pos NaOH Y screen
Item 4	Pos	KM	Pos AP, PSA	NT	Screen for male DNA, Pos NaOH Y screen
JZYTDX					
Item 3	Pos	KM, ABA HemaTrace	Neg AP	Neg Phadebas	
Item 4	Pos	KM, ABA HemaTrace	Pos AP, PSA	Neg Phadebas	
K6BDJA					
Item 3	Pos	KM	Neg ALS, AP, p30, Micro	NT	
Item 4	Pos	KM	Pos ALS, AP, p30, Micro	NT	
K7T4EN					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
K7YR2R					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP, Micro	NT	
Item 4	Pos	KM, HemaTrace	Pos ALS, AP, Micro	NT	
KCRU9Y					
Item 3	Pos	O-tol	Neg AP, ALS	NT	
Item 4	Pos	O-tol	Pos AP, Micro, ALS	NT	
KHFECE					
Item 3	Pos	LMG, HemaTrace	Neg PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Pos PSA, Micro	NT	
KKRUB2					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
KLFLXC					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
KMWHUW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KMY8XU					
Item 3	Pos	Hemastix, HemaTrace	Neg AP	Neg RSID Saliva	
Item 4	Pos	Hemastix, HemaTrace	Pos AP, Micro	Neg RSID Saliva	
KRFJ7W					
Item 3	Pos	KM, ABACard HemaTrace	Neg AP	Neg Phadebas	
Item 4	Pos	KM, ABACard HemaTrace	Pos AP, PSA	Neg Phadebas	

TABLE 1

Webcode	Fluid ID			
	Blood	Semen	Saliva	Other
KVZUFD				
Item 3	Pos Inst.Alert FOB test			
Item 4	Pos Inst.Alert FOB test	Pos RSID Semen		
KZXDKX				
Item 3	Pos O-tol	NT	NT	
Item 4	Pos O-tol	NT	NT	
L8GYCG				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
LBJTER				
Item 3	Pos KM	Neg AP, Micro	Neg RSID	
Item 4	Pos KM	Pos AP, Micro	Neg RSID	
LEGARL				
Item 3	Pos LMG	Neg AP	NT	
Item 4	Pos LMG	Pos AP, Micro	NT	
LNF9Q7				
Item 3	Pos KM	Neg AP, Micro	NT	
Item 4	Pos KM	Pos AP, Micro	NT	
LRY942				
Item 3		Neg AP, PSA		
Item 4		Pos AP, PSA		
LVWTQX				
Item 3	Pos KM, TMB	Neg AP	NT	
Item 4	Pos KM, TMB	Pos AP	NT	
LWQFLA				
Item 3	Pos hemophan, FOB Ultra Test	Neg Phosphatesmo KM, RSID Semen	Neg RSID Saliva	
Item 4	Pos hemphan, FOB Ultra Test	Pos Phosphatesmo KM, RSID Semen	Neg RSID Saliva	
LYFNUP				
Item 3	Pos KM	Neg AP	NT	
Item 4	Pos KM	Pos AP, Micro, PSA	NT	
LYMTJF				
Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
MCRFCW				
Item 3	Pos KM, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos KM, HemaTrace	Pos ALS, AP, Micro, RSID	Neg RSID	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
MEWWKZ					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
MMDJJW					
Item 3	Pos	KM; ABACard HemaTrace	Neg AP	Neg Phadebas Press	
Item 4	Pos	KM; ABACard HemaTrace	Pos AP; PSA	Neg Phadebas Press	
MT8KJH					
Item 3	Pos	KM	Neg ALS, AP, RSID Semen	Neg RSID Saliva	
Item 4	Pos	KM	Pos ALS, AP, RSID Semen	Neg RSID Saliva	
MZAPE8					
Item 3	Pos	KM, HemaTrace	Neg AP, p30, Micro, ALS	NT	
Item 4	Pos	KM, HemaTrace	Pos AP, p30, Micro, ALS	NT	
N26RMN					
Item 3	Pos	Hemident, HemaTrace	Neg ABACard p30	NT	
Item 4	Pos	Hemident, HemaTrace	Pos ABACard p30	NT	
N7TCKW					
Item 3	Pos	LMG	Neg AP, PSA	Neg RSID - Saliva	
Item 4	Pos	LMG	Pos AP, PSA	Neg RSID - Saliva	
NAJCDE					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
NCLLWV					
Item 3	Pos	KM, HemaTrace	Neg AP, p30	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos AP, p30, Micro	Neg RSID	
NW9B7N					
Item 3	Pos	KM, HemaTrace	Neg AP, Seratec	NT	
Item 4	Pos	KM, HemaTrace	Pos AP, Seratec, Micro	NT	
NWCQLA					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
NWE8BT					
Item 3	Pos	KM, ABA	Neg AP	Neg PHAD	
Item 4	Pos	KM, ABA	Pos AP, PSA	Neg PHAD	
NXZ2GT					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
P3F38Y					
Item 3	Pos	KM, HemDirect	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM, HemDirect	Pos AP, PSA, Micro	NT	
P3UFKA					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	Neg Phadebas	
P4WWBU					
Item 3	Pos	KM, ABACard	Neg AP	Neg Phadebas	
Item 4	Pos	KM, ABACard	Pos AP, p30	Neg Phadebas	
PA7GTQ					
Item 3	Pos	LMG, HemeTrace	Neg AP	NT	
Item 4	Pos	LMG, HemeTrace	Pos AP, PSA	NT	
PAR8NW					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
PKLLL9					
Item 3	Pos	O-tol	Neg AP, ALS	NT	
Item 4	Pos	O-tol, SeraTec card	Pos AP, ALS, PSA, Micro	Neg SeraTec card	
PN6KY3					
Item 3	Pos	LMG	Neg AP, PSA, Micro	NT	
Item 4	Pos	LMG	Pos AP, PSA, Micro	NT	
PXXR63					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
PY82N8					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
Q399UH					
Item 3	Pos	KM, HemDirest	Neg AP, Micro	Neg RSID Saliva	
Item 4	Pos	KM, HemDirect	Pos AP, Micro	Neg RSID Saliva	
QBZK6Y					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
QGQUJH					
Item 3	Pos	TMB	Neg AP, ALS	NT	
Item 4	Pos	TMB	Pos AP, ALS, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
QH2W2V						
Item 3	Pos	O-tol	Neg	AP		
Item 4	Pos	O-tol	Pos	AP		
QJDGAK						
Item 3	Pos	KM, HemaTrace	Neg	AP, Seratec	NT	
Item 4	Pos	KM, HemaTrace	Pos	AP, Seratec, Micro	NT	
QKQ6CW						
Item 3	Pos	KM, HemaTrace	Neg	AP	Neg	RSID
Item 4	Pos	KM, HemaTrace	Pos	AP, Micro	NT	
QLZ8WV						
Item 3	Pos	O-tol, HemaTrace	Neg	AP, PSA	NT	
Item 4	Pos	O-tol, HemaTrace	Pos	AP, PSA	NT	
QMUZUE						
Item 3	Pos	HemDirect	Neg	AP	NT	
Item 4	Pos	HemDirect	Pos	AP, p30, Micro	NT	
QTTRRV						
Item 3	Pos	O-tol, Seratec PMB card	Neg	AP, PSA, Micro	Neg	Seratec Alpha-Amylase card
Item 4	Pos	O-tol, Seratec PMB card	Pos	AP, PSA, Micro	Neg	Seratec Alpha-Amylase card
QVAF6W						
Item 3	Pos	KM	Neg	AP, PSA, Micro	Neg	RSID
Item 4	Pos	KM	Pos	AP, PSA, Micro	Neg	RSID
QVLFEX						
Item 3	Pos	HemaTrace	Neg	RSID	Neg	RSID
Item 4	Pos	HemaTrace	Neg	RSID	Neg	RSID
QWF29N						
Item 3	Pos	HemaTrace	Neg	AP	NT	
Item 4	Pos	HemaTrace	Pos	AP, Micro	Neg	RSID
QYMKCQ						
Item 3	Pos	KM, HemaTrace	Neg	AP	NT	
Item 4	Pos	KM, HemaTrace	Pos	AP, PSA, Micro	NT	
QZWLV4						
Item 3	Pos	KM	Neg	AP, p30, Micro, ALS	Neg	Amylase, Micro, ALS
Item 4	Pos	KM	Pos	AP, p30, Micro, ALS	Neg	Amylase, Micro, ALS

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
R3NPMQ					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg RSID	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama	Pos AP, Microscopic, p30	Neg RSID	Human Origin, Pos PowerQuant
R64JXG					
Item 3	Pos	Hemastix	Neg AP	NT	
Item 4	Pos	Hemastix	Pos AP	NT	
R7PP9G					
Item 3	Pos	KM	Neg AP		
Item 4	Pos	KM	Pos AP, Micro		
R8W9QP					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
R8WBFU					
Item 3	Pos	KM, HemaTrace	Neg p30	Neg RSID	
Item 4	NT		Pos p30, Micro	Neg RSID	
RANZ6G					
Item 3	Pos	KM	Neg AP		
Item 4	Pos	KM	Pos AP, Micro		
RBJVGR					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM	Pos AP, Micro, pSA	Neg RSID-Saliva	Human Origin, Pos PowerQuant
RCJR7E					
Item 3	Pos	TMB, HemaTrace	Neg AP	Neg RSID	
Item 4	Pos	TMB, HemaTrace	Pos AP, p30, Micro	NT	
RD7KPB					
Item 3	Pos	KM	Neg ALS, AP	NT	
Item 4	Pos	KM	Pos ALS, AP, Micro	NT	
RFDK7B					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Pos AP, Micro, PSA	Neg Phadebas	
RG2F24					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Mico	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
RU6ECV					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
RZ4RKU					
Item 3	Pos	KM, Takayama	Neg AP, Micro, p30	Neg SALLgAE	
Item 4	Pos	KM, Takayama	Pos AP, Micro, p30	Neg SALLgAE	
T6MHWZ					
Item 3	Pos	KM	Neg AP, Micro, p30	NT	
Item 4	Pos	KM	Pos AP, Micro, p30	NT	
T7JUZY					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Pos AP, Micro, PSA	NT	
TAGJXU					
Item 3	Pos	KM, HemaTrace	Neg p30	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos p30, Micro	Neg RSID	
TB9FJ2					
Item 3	Pos	LMG, HemaTrace	Neg AP, p30, Micro	Neg Amylase	
Item 4	Pos	LMG, HemaTrace	Pos AP, p30, Micro	Neg Amylase	
TCJH8L					
Item 3	Pos	KM, HT	Neg AP	Neg RSID	
Item 4	Pos	KM, HT	Pos AP, Micro	Neg RSID	
TFN48K					
Item 3	Pos	KM	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM	Pos AP, PSA, Micro	NT	
TGM6BQ					
Item 3	Pos	KM, HemaTrace	Neg AP, p30, Micro	Neg SALLgAE	
Item 4	Pos	KM, HemaTrace	Pos AP, p30, Micro	Neg SALLgAE	
TJP6CN					
Item 3	Pos	LMG	Neg AP	NT	
Item 4	Pos	LMG	Pos AP, Micro	NT	
TKX9QR					
Item 3	Pos	KM, TMB	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM, TMB	Pos AP, PSA, Micro	NT	
TLA4EK					
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
TLDJU7					
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg Phadebas
Item 4	Pos	KM, HemaTrace	Pos	AP, PSA, Micro	Neg Phadebas
TZVBER					
Item 3	Pos	O-tol, HemaTrace	Neg	AP	
Item 4	Pos	O-tol, HemaTrace	Pos	AP	
U69E7U					
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT
Item 4	Pos	LMG, HemaTrace	Pos	AP, Micro, PSA	NT
U6RD7D					
Item 3	Pos	LMG	Neg	AP, Micro	NT
Item 4	Pos	LMG	Pos	AP, Micro	NT
U7FXLG					
Item 3	Pos	KM, HemaTrace	Neg	AP, Seratec, Micro	NT
Item 4	Pos	KM, HemaTrace	Pos	AP, Seratec, Micro	NT
U8M7PU					
Item 3	Pos	KM	Neg	AP, Micro	NT
Item 4	Pos	KM	Pos	AP, Micro	NT
UB79VF					
Item 3	Pos	KM, HemaTrace	Neg	AP, Micro, PSA	Neg Phadebas
Item 4	Pos	KM, HemaTrace	Pos	AP, Micro, PSA	Neg Phadebas
UF2YZQ					
Item 3	Pos	LMG	Neg	AP, PSA	Neg RSID
Item 4	Pos	LMG	Pos	AP, PSA	Neg RSID
UFVMEF					
Item 3	Pos	KM	Neg	AP	NT
Item 4	Pos	KM	Pos	AP, Micro, PSA	NT
ULMUXN					
Item 3	Pos	Hemastix	Neg	AP	NT
Item 4	Pos	Hemastix	Pos	AP	NT
UP3JZX					
Item 3	Pos	LMG, a-HuHb, ALS	Neg	AP, PSA, Micro, ALS	NT
Item 4	Pos	LMG, a-HuHb, ALS	Pos	AP, PSA, Micro, ALS	NT
UQAF9P					
Item 3	Pos	Combur (TMB), KM	Neg	AP, PSA	Neg Phadebas
Item 4	Pos	Combur (TMB), KM	Pos	AP, PSA, Micro	Neg Phadebas

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
UUM886					
	Item 3	Pos KM, HemaTrace	NT	NT	
	Item 4	Pos KM, HemaTrace	NT	NT	
UZQEM8					
	Item 3	Pos KM, HemDirect	Neg AP	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
	Item 4	Pos KM, HemDirect	Pos AP, Micro, PSA	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
V4TCVE					
	Item 3	Pos O-tol	Neg AP	NT	
	Item 4	Pos O-tol	Pos AP, Micro	Neg Phadebas	
V969UM					
	Item 3	Pos Visual, KM, ABACard HemaTrace	Neg AP	Neg Phadebas press	
	Item 4	Pos Visual, KM, ABACard HemaTrace	Pos AP, PSA, Differential Extraction	Neg Phadebas press	
VGEX8L					
	Item 3	Pos KM	Neg ALS, FBB, PSA	NT	
	Item 4	Pos KM	Pos ALS, FBB, PSA	NT	
VHKE4Q					
	Item 3	Pos LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
	Item 4	Pos LMG, HemaTrace	Pos ALS, AP, PSA, Micro	NT	
VMY3UU					
	Item 3	Pos KM	Neg CT, PSA	Neg Phadebas	male screen, Pos NaOH Y-screen
	Item 4	Pos KM	Pos AP, CT, PSA	Neg Phadebas	male screen, Pos NaOH Y-screen
VNNF4K					
	Item 3	Pos KM, ABACard	Neg AP, PSA	Neg RSID	
	Item 4	Pos KM, ABACard	Pos AP, PSA, Micro	Neg RSID	
VQLNKW					
	Item 3	Pos LMG, HemaTrace	Neg AP	NT	
	Item 4	Pos LMG, HemaTrace	Pos AP, Micro, PSA	NT	
VXRMNQ					
	Item 3	Pos KM	Neg AP, Micro	NT	
	Item 4	Pos KM	Pos AP, Micro	NT	
W7MUZ6					
	Item 3	Pos LMG	Neg AP, Micro, PSA	NT	
	Item 4	Pos LMG	Pos AP, Micro, PSA	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
W8GHKL					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Pos AP, Micro	NT	
W9J9XB					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
WAL9LA					
Item 3	Pos	TMB, RSID	Neg ALS, AP, RSID	Neg ALS, RSID	
Item 4	Pos	TMB, RSID	Inc ALS, AP, RSID	Neg ALS, RSID	
WJPHUK					
Item 3	Pos	HT	Neg AP, Micro	Neg RSID	
Item 4	Pos	HT	Pos AP, Micro	Neg RSID	
WNDN7G					
Item 3	Pos	KM	Neg AP, Micro, PSA	NT	
Item 4	Pos	KM	Pos AP, Micro	NT	
WU2G89					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP	NT	
Item 4	Pos	KM, HemaTrace	Pos ALS, AP, RSID, Micro	Neg RSID	
WUYTRQ					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos AP, PSA, Micro	Neg RSID	
WVARNK					
Item 3	Pos	Hemastix (TMB) & HemaTrace	Neg ALS and AP	NT	
Item 4	Pos	Hemastix (TMB) & HemaTrace	Pos ALS, AP, PSA, & Micro	NT	
X3KBFH					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP, PSA, Micro	Neg RSID	
Item 4	Pos	KM, HemaTrace	Pos ALS, AP, PSA, Micro	Neg RSID	
X3LBGJ					
Item 3	Pos	KM, Takayama, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama	Pos AP, Micro, PSA	Neg RSID Saliva	Human Origin, Pos PowerQuant
X3R8LN					
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
X6TLHT					
Item 3	Pos	LMG, HemaTrace	Neg	Brentamine	NT
Item 4	Pos	LMG, HemaTrace	Pos	Brentamine, PSA, Micro	NT
XAP2BA					
Item 3	Pos	LMG	Neg	AP	NT
Item 4	Pos	LMG	Pos	AP, Micro	NT
XBDLRY					
Item 3	Pos	KM	Neg	AP, Micro	NT
Item 4	Pos	KM	Pos	AP, Micro	NT
XP4ACD					
Item 3	Pos	LMG	NT	NT	Human Blood, Pos RSID
Item 4	Pos	LMG	Pos	AP, PSA, Micro, ALS	NT Human Blood, Pos RSID
XTYZHP					
Item 3	Pos	KM	Neg	AP	NT Y-screening
Item 4	Pos	KM, HB HemDirect	Pos	AP, Micro, PSA Seratec	NT Y-screening
XVKYLL					
Item 3	Pos	KM, HemaTrace	Neg	AP	NT
Item 4	Pos	KM, HemaTrace	Pos	AP, Micro	Neg RSID
XWLM9R					
Item 3	Pos	LMG, HemaTrace	Neg	AP	NT
Item 4	Pos	LMG, HemaTrace	Pos	AP, Micro, PSA	NT
XYH9UM					
Item 3	Pos	PTMB, Precipitin	Neg	AP	NT
Item 4	Pos	PTMB, Precipitin	Pos	AP, Micro	NT
Y24LMP					
Item 3	Pos	HemaTrace, KM	Neg	Microscopy, PSA	Neg RSID-Saliva Male DNA, Pos Y-Screening
Item 4	Pos	HemaTrace, KM	Pos	Microscopy, PSA	Neg RSID-Saliva Male DNA, Pos Y-Screening
Y9PAWE					
Item 3	Pos	Hemident, HemaTrace	Neg	ABAcad p30	NT
Item 4	Pos	Hemident, HemaTrace	Pos	ABAcad p30	NT
Y9ZGM9					
Item 3	Pos	Hemastix	Neg	AP	NT
Item 4	Pos	Hemastix	Pos	AP	NT

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
YAXQGQ						
Item 3	Pos	KM, HemaTrace	Neg	PSA	Neg	RSID
Item 4	Pos	KM, HemaTrace	Pos	PSA	Neg	RSID
YCCXLL						
Item 3	Pos	Combur(TMB), KM	Neg	p30, AP	Neg	Amylase
Item 4	Pos	Combur(TMB), KM	Pos	p30, AP, Micro	Neg	Amylase
YF9QBA						
Item 3	Pos	LMG	Neg	AP	NT	
Item 4	Pos	LMG	Pos	AP, Micro	NT	
YJHVQB						
Item 3	Pos	KM	Neg	AP	NT	
Item 4	Pos	KM	Pos	AP, Micro, PSA	NT	
YLQ7ME						
Item 3	Pos	KM, HemaTrace	Neg	AP	Neg	RSID
Item 4	Pos	HemaTrace	Pos	AP, Micro	NT	
YRTJ2P						
Item 3	Pos	KM	Neg	ALS, AP	NT	
Item 4	Pos	KM	Pos	ALS, AP, PSA, Micro	NT	
YY723J						
Item 3	Pos	combur(TMB), KM	Neg	AP, PSA	Neg	Phadebas
Item 4	Pos	combur(TMB), KM	Pos	AP, PSA, Micro	Neg	Phadebas
YZYPQG						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
ZD2V3Q						
Item 3	NT		NT		NT	Male DNA Screen, Pos NaOH extract, Quant Trio
Item 4	NT		NT		NT	Male DNA Screen, Pos NaOH extract, Quant Trio
ZDRZ4X						
Item 3	Pos	Phenolphthalein	Neg	PSA	Neg	Saliquae
Item 4	Pos	Phenolphthalein	Pos	PSA	Neg	Saliquae
ZDX9KD						
Item 3	Pos	KM	Neg	AP, PSA, Micro	NT	
Item 4	Pos	KM	Pos	AP, PSA, Micro	NT	
ZFLKKJ						
Item 3	Pos	KM	Neg	AP	NT	
Item 4	Pos	KM	Pos	AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
ZLBXNR					
Item 3	Pos KM		Neg Micro, PSA	Neg Phadebas	screen for male DNA, Pos NaOH Y screen
Item 4	Pos KM		Pos Micro, PSA	Neg Phadebas	screen for male DNA, Pos NaOH Y screen
ZPLGTY					
Item 3	Pos Hemastix, HemaTrace		Neg AP	NT	
Item 4	Pos Hemastix, HemaTrace		Pos AP, Micro	NT	
ZRBP2E					
Item 3	Pos KM, HemaTrace		Neg AP, Micro, ALS	NT	
Item 4	Pos KM, HemaTrace		Pos AP, Micro, ALS	NT	
ZRV7GG					
Item 3	Pos Hemastix		Neg AP, RSID	NT	
Item 4	Pos Hemastix		Pos AP	NT	
ZU669H					
Item 3	Pos KM		Neg AP, Micro, PSA	Neg Phadebas	Male Screen [Urine / Fecal], Pos NaOH Y screen POSITIVE (RSID - urine NEGATIVE / Urobilinogen NEGATIVE)
Item 4	Pos KM		Pos AP, Micro, PSA	NT	Male DNA Screen, Pos NaOH Y Screen
ZYY9P4					
Item 3	Pos HemDirect		Neg AP	NT	
Item 4	Pos HemDirect		Pos AP, Micro, p30	NT	
ZZ6VUF					
Item 3	Pos KM, HemaTrace		Neg ALS, AP, Micro	NT	
Item 4	Pos KM, HemaTrace		Pos ALS, AP, Micro	NT	

Table 1: Serology Screening			
Response Summary		Item 3	
			Participants: 314
ITEM 3:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	306	0	0
Negative	0	293	106
Inconclusive	0	0	0
Not Tested (NT)	5	19	197
Not Reported	3	2	11

Table 1: Serology Screening			
Response Summary		Item 4	
			Participants: 314
ITEM 4:	<u>Blood</u>	<u>Semen</u>	<u>Saliva</u>
Positive	305	295	0
Negative	0	2	107
Inconclusive	0	1	1
Not Tested (NT)	6	15	195
Not Reported	3	1	11

STR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - STR Results

26CGMJ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
<hr/>						
2877D8	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
<hr/>						
2CLVGG	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
<hr/>						
2J3BF7	PowerPlex® 21 (strmix)					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
<hr/>						
2LQKG7	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
<hr/>						
2ML9TA	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	

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

2VQF9A	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	
2W7PAN	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
2X2DLR	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
2X2DND	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
2X97Y8	PowerPlex® PP21					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
2XFLMZ	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
2XYNGU	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

2YPQZN	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
2YRNCK	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
369GYN	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	No Result			No Result	
39HBGM	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
3BW4R9	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
3HWJHG	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
3L3Y37	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

43RANN	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
44DFBC	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
44L4BK	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
4674XE	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
47NVD6	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
4FY7WH	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
4GW3F4	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NM			NM	

TABLE 2

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

4JABEJ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
4KZTQP	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no results			no results	
4LCB43	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
4VRXHJ	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
4X8JRC	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
4Z6NWL	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	N/A				
63WFT9	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

6AGENM	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	No result			No result	
6G7YXA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no results			no results	
6G8MKF	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
6JH4YW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
6JRLNC	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
6K3MAB	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
6LG3U4	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

6LGWWH	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
6LQEXL	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
6TH9RE	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
6WTCAG	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
77277U	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
77NNCP	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
7AHQTA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

7FX8ED	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
7RFR3V	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
7RTN2T	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
7ZMTVU	Investigator® 24plex (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
7ZR9CF	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.3	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
8F42L6	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
8FYL7J	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

8PNA48	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
8PQZCB	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
8R8BU8	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
8RCL3C	Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
8TPEXE	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
8W29LJ	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
92PEEC	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	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

96GAQZ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
96KP4Z	PowerPlex® Fusion (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
9BD74P	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
9JNRPX	PowerPlex® 17ESX Fast					
	13,18	18,20	11.3,14	15,16		
1		10,12	13,16	17.3,18		9,11
	12,20	14,16.2	29,33.2	11,15	X,X	
	22.2,25			18,21.2	6,7	
	14,17					
9LD2XE	Identifiler® Direct					
		18,20		15,16	12,13	
1	7,8	10,12			12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
9PNKMG	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
9PNRL3	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

9QYMAF	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
9R2GQR	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
9VTCYY	PowerPlex® PP21					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
A4K969	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
A68UHC	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
AB997Y	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ACVEW6	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					

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

AHYLB9	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
AJKFQ9	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
ALWVKA	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
AMM7B3	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
AMV3R9	Investigator® 24plex GO! (TrueAllele)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	n/a				
APL4XW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
AUR6QE	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

AW9VHW	PowerPlex® 21					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
B22QAM	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	
B932M7	GlobalFiler™ (STRMix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
B943A6	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
B9JENN	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
BB9R88	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	NR				
BC3E3J	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	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

BHN7DJ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
BN26X4	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
BRXQGE	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
BXHV8U	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
BZ86EA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
C7GGJ3	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	No Results			No Results	
C8RDVY	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

C9M2AN	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
CATNG2	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	-
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	-	-	18,21.2	6,7	8,9
	14,17	-	-	-	-	-
CAUKKP	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
CEQ4C4	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
CLU6G4	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
CPTGC4	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
CRDA2C	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

CY8XEC	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
CZ8FUD	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17					
CZR4E9	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
D4PVAC	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17	NR	NR	NR		
D7BTD9	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
		14,17					
D9EL2Z	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17					
DBJAJB	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17	-				

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

DEJDCJ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
DF7MW2	Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
DLRGTY	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
DPUN33	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
DTBZWX	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
DUMHCX	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
E7U3RV	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

E8ZEFJ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
E94THY	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
EE3L6Y	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
EGXXBZ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
EHYC2X	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ELXMWX	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ERFKBT	PowerPlex® PP21 (STRMix)					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					

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

EVUC99	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	NR				
EZGBC3	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
F9VCDX	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
FBQ9QP	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
FT4DTP	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
FW7GCP	PowerPlex® 21 (STRmix)					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
FXMW34	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	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

FXUPLZ	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
FZ28KW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
FZ6T9P	PowerPlex® 21					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
G6TVHE	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
G6XMZE	PowerPlex® PP21					
	13,18	18,20		15,16	12,13	11
1	7,8	10,12		17.3,18	12	9,11
	12,20	14,16.2	29,33.2		X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					
G7GAZX	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
GD7TDD	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

GE9KBD	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no results			no results	
GGYV27	Identifiler® Direct					
		18,20		15,16	12,13	
1	7,8	10,12			12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
GHQ34H	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
GK68A9	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
GLA2GC	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	--
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	--	6,7	8,9
	14,17	--	--	--	--	
GTDYFW	Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
GYTREU	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

H3KW3Z	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
H3ZFMW	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
H8KLPW	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
H9E8KA	GlobalFiler Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
HBBLGE	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
HNTFKD	PowerPlex® Fusion System, NGM Select					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
HRBVV6	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

HU4A44	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
HUWJ76	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
HXWQR3	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
HZCNXL	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
J3ATLQ	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					
J4BGAV	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
JA7LND	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

JBTU7A	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
JCXNGZ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
JDUXTP	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	XX	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
JE6V88	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
JGRJDZ	PowerPlex® Fusion					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					
JJ3JLT	Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
JLEBH9	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

JQJ4KY	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
JTQBA7	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
JZYTDX	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
K6BDJA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no results			no results	
K7T4EN	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
K7YR2R	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
KCRU9Y	PowerPlex® Fusion					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					

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

KHFECE	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR		
KKRUB2	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17						
KFLXC	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
KMWHUW	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
KMY8XU	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
KRFJ7W	Identifiler® Plus						
			18,20		15,16	12,13	
	1	7,8	10,12			12,12	9,11
		12,20	14,16.2	29,33.2		X,X	10,12
		22.2,25				6,7	8,9
	14,17						
KVZUFD	GlobalFiler™ (Gene Mapper ID-X 1.5)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17	NEG			NEG		

TABLE 2

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

KZXDKX	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
L8GYCG	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
LBJTER	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
LEGARL	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
LNF9Q7	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no result			no result	
LRY942	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,91
	14,17					
LVWTQX	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	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

LWQFLA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
LYFNUP	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NM			NM	
LYMTJF	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MCRFCW	PowerPlex® 21					
	13,18	18,20		15,16	12,13	11,11
1	7,8	10,12		17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25	10,10	17,21		6,7	8,9
	14,17					
MEWWKZ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MMDJJW	Identifiler® Plus (STRmix)					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
MPUZMA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

MT8KJH	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MXM98Z	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MY43AV	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MZAPE8	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no results			no results	
N26RMN	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
N7TCKW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
NAJCDE	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

NCLLWV	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
NGJX29	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
NL38X6	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
NW9B7N	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	
NWCQLA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
NWE8BT	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
NXZ2GT	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

P3F38Y	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
P3UFKA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
P4WWBU	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
PA7GTQ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
PAR8NW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
PGYGK7	Identifiler®, GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
PKLLL9	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

PN6KY3	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR		
PY82N8	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
QBZK6Y	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
QGQUJH	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17	ND	ND	ND			
QH2W2V	Identifiler®						
			18,20		15,16	12,13	
	1	7,8	10,12			12,12	9,11
		12,20	14,16.2	29,33.2		X,X	10,12
		22.2,25				6,7	8,9
	14,17						
QJDGAK	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17	-			-		
QKQ6CW	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17						

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

QLZ8WV	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
QMUZUE	PowerPlex® Fusion 5C, Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
QTTRRV	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
QVAF6W	Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
QVLFEX	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
QWF29N	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
QYMKCQ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

QZWL4	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17	No result			No result	
R3NPMQ	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
		14,17					
R64JXG	GlobalFiler™ Express						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17					
R7PP9G	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
R8W9QP	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17					
R8WBFU	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
RANZ6G	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					

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

RBJVGR	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17						
RCJR7E	PowerPlex® 21						
		13,18	18,20		15,16	12,13	11,11
	1	7,8	10,12		17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2		X,X	10,12
		22.2,25	10,10	17,21		6,7	8,9
	14,17						
RD7KPB	PowerPlex® Fusion 6C Direct						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17						
RFDK7B	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
RG2F24	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
RU6ECV	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
RZ4RKU	PowerPlex® Fusion 6C (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17						

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

T6MHWZ	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17	no results			no results	
T7JUZZ	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17					
TAGJXU	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
TB9FJ2	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	NT
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	NT	NT	18,21.2	6,7	8,9
		14,17	NR	NT	NT	NR	
TCJH8L	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					
TFN48K	Investigator® 24plex QS						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
		14,17	--				
TGM6BQ	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
		14,17					

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

TJP6CN	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
TKX9QR	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	NR				
TLA4EK	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	
TLDJU7	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
TZVBER	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
U69E7U	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
U6RD7D	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

U7FXLG	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	-			-	
U8M7PU	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
UB79VF	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					
UF2YZQ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
UFVMEF	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NM			NM	
ULMUXN	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
UP3JZX	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	NT
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	NT	NT	18,21.2	6,7	8,9
	14,17	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 1 - STR Results

UQAF9P	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
UUM886	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
V4TCVE	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	NR				
V969UM	Identifiler® Plus (STRmix)					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
VGEX8L	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
VG33EY	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
VHKE4Q	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	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

VKUEBY	Identifiler®, GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
VMY3UU	PowerPlex® Fusion (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
VNNF4K	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
VQLNKW	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
WDTD2	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
VXRMNQ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
W7MUZ6	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	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

W8GHKL	PowerPlex® Fusion 5C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21		6,7	8,9
	14,17						
W9J9XB	GlobalFiler™						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17						
WAL9LA	Identifiler® Plus						
			18,20		15,16	12,13	
	1	7,8	10,12			12	9,11
		12,20	14,16.2	29,33.2		X	10,12
		22.2,25				6,7	8,9
	14,17						
WJPHUK	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17						
WNDN7G	GlobalFiler™ (STRmix)						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR		
WU2G89	PowerPlex® 21						
		13,18	18,20		15,16	12,13	11,11
	1	7,8	10,12		17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2		X,X	10,12
		22.2,25	10,10	17,21		6,7	8,9
	14,17						
WUYTRQ	PowerPlex® Fusion 6C						
		13,18	18,20	11.3,14	15,16	12,13	
	1	7,8	10,12	13,16	17.3,18	12	9,11
		12,20	14,16.2	29,33.2	11,15	X	10,12
		22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17						

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

WVARNK	Investigator® 24plex GO! (TrueAllele)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no result				
X2VZQQ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
X3KBFH	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
X3LBJ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
X3R8LN	PowerPlex® Fusion 6C Direct					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
X6TLHT	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
XAP2BA	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

XBDLRY	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	no result			no result	
XP4ACD	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
XTYZHP	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17	NR				
XVKYLL	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
XWLM9R	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
XYH9UM	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
Y24LMP	PowerPlex® Fusion 5C, Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

Y9PAWE	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
Y9ZGM9	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
YAXQGQ	PowerPlex® Fusion 5C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21		6,7	8,9
	14,17					
YCCXLL	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
YF9QBA	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
YJHVQB	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NM			NM	
YLQ7ME	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

YRTJ2P	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
YY723J	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
YZYPQG	GlobalFiler™ (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ZCN7WT	Identifiler®, GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ZD2V3Q	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
ZDRZ4X	Identifiler® Plus					
		18,20		15,16	12,13	
1	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
ZDX9KD	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

ZFLKKJ	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ZLBXNR	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	NT
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR	NT	
ZPLGTY	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17	NR			NR	
ZRBP2E	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
ZRV7GG	GlobalFiler™ Express					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
ZU669H	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	NR	NR	NR		
ZYY9P4	PowerPlex® Fusion 5C, Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					

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

ZZ6VUF	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
1	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17	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 2 - STR Results

26CGMJ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2877D8	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2CLVGG	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2J3BF7	PowerPlex® 21 (strmix)					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
2LQKG7	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2ML9TA	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2VQF9A	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

2W7PAN	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
2X2DLR	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
2X2DND	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2X97Y8	PowerPlex® PP21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
2XFLMZ	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
2XYNGU	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
2YPQZN	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					

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

2YRNCK	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
369GYN	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
39HBGM	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
3BW4R9	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
3HWJHG	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
3L3Y37	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
43RANN	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

44DFBC	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
44L4BK	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
4674XE	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
47NVD6	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
4FY7WH	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
4GW3F4	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
4JABEJ	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

4KZTQP	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
4LCB43	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
4VRXHJ	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
4X8JRC	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
4Z6NWL	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
63WFT9	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
6AGENM	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

6G7YXA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
6G8MKF	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
6JH4YW	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
6JRLNC	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
6K3MAB	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
6LG3U4	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
6LGWWH	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

6LQEXL	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
6TH9RE	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
6WTCAG	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
77277U	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
77NNCP	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
7AHQTA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
7FX8ED	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	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

7RFR3V	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
7RTN2T	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
7ZMTVU	Investigator® 24plex (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10				
7ZR9CF	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
8F42L6	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
8FYL7J	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
8PNA48	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

8PQZCB	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
8R8BU8	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
8RCL3C	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
8TPEXE	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
8W29LJ	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
92PEEC	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
96GAQZ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

96KP4Z	PowerPlex® Fusion (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
9BD74P	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
9JNRPX	PowerPlex® 17ESX Fast					
	15,16	18,20	11,13	17		
2		10,13	12,13	21,22		11,13
	13,17	14,15	29,30	11,15	X,Y	
	21,22			29.2,30.2	6,9	
	17,18					
9LD2XE	Identifiler® Direct					
		18,20		17	11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9
	17,18					
9PNKMG	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
9PNRL3	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
9QYMAF	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

9R2GQR	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
9VTCYY	PowerPlex® PP21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
A4K969	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
A68UHC	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
AB997Y	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
ACVEW6	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
AHYLB9	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	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

AJKFQ9	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
ALWVKA	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
AMM7B3	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
AMV3R9	Investigator® 24plex GO! (TrueAllele)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
APL4XW	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
AUR6QE	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
AW9VHW	PowerPlex® 21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					

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

B22QAM	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
B932M7	GlobalFiler™ (STRMix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
B943A6	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
B9JENN	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
BB9R88	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
BC3E3J	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
BHN7DJ	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

BN26X4	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
BRXQGE	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
BXHV8U	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
BZ86EA	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
C7GGJ3	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
C8RDVY	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
C9M2AN	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

CATNG2	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	-
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	-	-	29.2,30.2	6,9	9
	17,18	10	-	-	2	
CAUKKP	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
CEQ4C4	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
CLU6G4	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
CPTGC4	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
CRDA2C	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
CY8XEC	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

CZ8FUD	GlobalFiler™						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		
CZR4E9	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
D4PVAC	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
D7BTD9	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18			
D9EL2Z	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
DBJAJB	GlobalFiler™						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		
DEJDCJ	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		

TABLE 2

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

Item 2 - STR Results

DF7MW2	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
DLRGTY	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
DPUN33	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
DTBZWX	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
DUMHCX	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
E7U3RV	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
E8ZEFJ	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

E94THY	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
EE3L6Y	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
EGXXBZ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
EHYC2X	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
ELXMWX	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
ERFKBT	PowerPlex® PP21 (STRMix)					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
EVUC99	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				

TABLE 2

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

Item 2 - STR Results

EZGBC3	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18			
F9VCDX	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
FBQ9QP	GlobalFiler™						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		
FT4DTP	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
FW7GCP	PowerPlex® 21 (STRMIX)						
		15,16	18,20		17,17	11,11	19,19
	2	9,12	10,13		21,22	9,11	11,13
		13,17	14,15	29,30		X,Y	11,14
		21,22	12,13	14,17		6,9	9,9
	17,18						
FXMW34	GlobalFiler™						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		
FXUPLZ	GlobalFiler™ (STRmix)						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		

TABLE 2

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

Item 2 - STR Results

FZ28KW	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
FZ6T9P	PowerPlex® 21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
G6TVHE	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
G6XMZE	PowerPlex® PP21					
	15,16	18,20		17	11	19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18					
G7GAZX	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
GD7TDD	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
GE9KBD	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

GGY27	Identifiler® Direct					
		18,20		17	11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9
	17,18					
GHQ34H	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
GK68A9	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
GLA2GC	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	--
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	--	6,9	9
	17,18	10	--	--	--	
GTDYFW	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
GYTREU	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
H3KW3Z	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

H3ZFMW	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
H8KLPW	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
H9E8KA	GlobalFiler Express					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
HBBLGE	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
HNTFKD	PowerPlex® Fusion System, NGM SELECT					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10				
HRBVV6	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
HU4A44	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

HUWJ76	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
HXWQR3	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
HZCNXL	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
J3ATLQ	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
J4BGAV	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
JA7LND	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
JBTU7A	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				

TABLE 2

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

Item 2 - STR Results

JCXNGZ	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
JDUXTP	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
JE6V88	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
JGRJZDZ	PowerPlex® Fusion					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
JJ3JLT	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
JLEBH9	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
JQJ4KY	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	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

JTQBA7	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
JZYTDX	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
K6BDJA	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
K7T4EN	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
K7YR2R	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
KCRU9Y	PowerPlex® Fusion					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
KHFECE	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

KKRUB2	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
KLFLXC	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
KMWHUW	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
KMY8XU	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
KRFJ7W	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
KVZUFD	GlobalFiler™ (Gene Mapper ID-X 1.5)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
KZXDKX	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					

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

L8GYCG	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
LBJTER	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
LEGARL	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
LNF9Q7	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
LRY942	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
LWWTQX	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
LWQFLA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

LYFNUP	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
LYMTJF	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
MCRFCW	PowerPlex® 21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	NR		6,9	9,9
	17,18					
MEWWKZ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
MMDJJW	Identifiler® Plus (STRmix)					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
MPUZMA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
MT8KJH	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

MXM98Z	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
MY43AV	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
MZAPE8	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
N26RMN	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
N7TCKW	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
NAJCDE	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
NCLLWW	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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

NGJX29	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
NL38X6	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
NW9B7N	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
NWCQLA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
NWE8BT	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
NXZ2GT	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
P3F38Y	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

P3UFKA	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
P4WWBU	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
PA7GTQ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
PAR8NW	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
PGYGK7	Identifiler®, GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
PKLLL9	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
PN6KY3	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

PY82N8	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
QBZK6Y	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
QGQUJH	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
QH2W2V	Identifiler®					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
QJDGAK	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
QKQ6CW	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
QLZ8WV	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					

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

QMUZUE	PowerPlex® Fusion 5C, Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
QTTRRV	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
QVAF6W	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
QVLFEX						
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
QWF29N	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
QYMKCQ	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
QZWL4	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

R3NPMQ	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18		
R64JXG	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
R7PP9G	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
R8W9QP	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
R8WBFU	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
RANZ6G	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
RBJVGR	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	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

RCJR7E	PowerPlex® 21					
	15,16	18,20		17,17	11,11	19,19
2	9,12	10,13		21,22	9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22	12,13	14,17		6,9	9,9
	17,18					
RD7KPB	PowerPlex® Fusion 6C Direct					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
RFDK7B	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
RG2F24	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
RU6ECV	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
RZ4RKU	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
T6MHWZ	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

T7JUZY	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
TAGJXU	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
TB9FJ2	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	NT
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	NT	NT	29.2,30.2	6,9	9,9
	17,18	10	NT	NT	2	
TCJH8L	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
TFN48K	Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
TGM6BQ	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
TJP6CN	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

TKX9QR	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
TLA4EK	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
TLDJU7	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
TZVBER	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
U69E7U	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
U6RD7D	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
U7FXLG	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

U8M7PU	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
UB79VF	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
UF2YZQ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
UFVMEF	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
ULMUXN	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
UP3JZX	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	NT
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	NT	NT	29.2,30.2	6,9	9,9
	17,18	10	NT	NT	2	
UQAF9P	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

UUM886	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
V4TCVE	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
V969UM	Identifiler® Plus (STRmix)					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
VGEX8L	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
VG3EY	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
VHKE4Q	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
VKUEBY	Identifiler®, GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				

TABLE 2

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

Item 2 - STR Results

VMY3UU	PowerPlex® Fusion (StRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
VNNF4K	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
VQLNKW	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
WDTD2	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
VXRMNQ	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
W7MUZ6	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29,30.2	6,9	9,9
	17,18	10			2	
W8GHKL	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				

TABLE 2

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

Item 2 - STR Results

W9J9XB	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
WAL9LA	Identifiler® Plus						
			18,20		17	11	
	2	9,12	10,13			9,11	11,13
		13,17	14,15	29,30		X,Y	11,14
		21,22				6,9	9
	17,18						
WJPHUK	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
WNDN7G	GlobalFiler™ (STRmix)						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		
WU2G89	PowerPlex® 21						
		15,16	18,20		17,17	11,11	19,19
	2	9,12	10,13		21,22	9,11	11,13
		13,17	14,15	29,30		X,Y	11,14
		21,22	12,13	14,17		6,9	9,9
	17,18						
WUYTRQ	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
WVARNK	Investigator® 24plex GO! (TrueAllele)						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10					

TABLE 2

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

Item 2 - STR Results

X2VZQQ	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
X3KBFH	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
X3LBJ	PowerPlex® Fusion 6C						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9,9
	17,18	10	18	18			
X3R8LN	PowerPlex® Fusion 6C Direct						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18			
X6TLHT	GlobalFiler™						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
XAP2BA	GlobalFiler™ Express						
		15,16	18,20	11,13	17	11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9
	17,18	10			2		
XBDLRY	GlobalFiler™						
		15,16	18,20	11,13	17,17	11,11	
	2	9,12	10,13	12,13	21,22	9,11	11,13
		13,17	14,15	29,30	11,15	X,Y	11,14
		21,22			29.2,30.2	6,9	9,9
	17,18	10			2		

TABLE 2

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

Item 2 - STR Results

XP4ACD	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
XTYZHP	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
XVKYLL	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
XWLM9R	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
XYH9UM	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
Y24LMP	PowerPlex® Fusion 5C, Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
Y9PAWE	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

Y9ZGM9	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
YAXQGQ	PowerPlex® Fusion 5C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17		6,9	9
	17,18	10				
YCCXLL	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
YF9QBA	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
YJHVQB	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
YLQ7ME	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
YRTJ2P	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

YY723J	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
YZYPQG	GlobalFiler™ (STRmix)					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
ZCN7WT	Identifiler®, GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10				
ZD2V3Q	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
ZDRZ4X	Identifiler® Plus					
		18,20		17,17	11,11	
2	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					
ZDX9KD	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
ZFLKJ	GlobalFiler™					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

ZLBXNR	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	NT
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18	NT	
ZPLGTY	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10			2	
ZRBP2E	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
ZRV7GG	GlobalFiler™ Express					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9
	17,18	10			2	
ZU669H	PowerPlex® Fusion 6C (STRmix)					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
ZYY9P4	PowerPlex® Fusion 5C, Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	18		
ZZ6VUF	PowerPlex® Fusion 6C					
	15,16	18,20	11,13	17	11	
2	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22	12,13	14,17	29.2,30.2	6,9	9
	17,18	10	18	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 3 - STR Results

26CGMJ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2877D8	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2CLVGG	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2J3BF7	PowerPlex® 21 (STRMIX)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
2LQKG7	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2ML9TA	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2VQF9A	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

2W7PAN	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
2X97Y8	PowerPlex® PP21 (STRmix)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
2XFLMZ	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2XYNGU	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
2YPQZN	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
2YRNCK	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
369GYN	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,[12],[13]	
3	7,8,9,12	10,[12],[13]	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,[15],[16.2]	29,30,33.2	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	[8],9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

39HBGM	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
3BW4R9	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
3HWJHG	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
3L3Y37	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
43RANN	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
44DFBC	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
44L4BK	PowerPlex® Fusion 6C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

4674XE	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
47NVD6	PowerPlex® Fusion 6C (Lab Retriever)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
4FY7WH	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
4GW3F4	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
4JABEJ	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
4KZTQP	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
4LCB43	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

4VRXHJ	PowerPlex® Fusion 6C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
4X8JRC	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
4Z6NWL	PowerPlex® Fusion 5C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	(15),(16),17	11,(12),(13)	
3	7,8,9,12	10,12,(13)	12,13,(16)	17.3,18,21,22	9,11,12	(9),11,13
	12,13,17,20	14,(15),(16.2)	29,30,(33.2)	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,(13)	14,17,(21)		6,(7),9	(8),9
	(14),17,(18)	10				
63WFT9	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6AGENM	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6G7YXA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6G8MKF	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

6JH4YW	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6JRLNC	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
6K3MAB	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
6LG3U4	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6LGWWH	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
6LQEXL	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
6TH9RE	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					

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 3 - STR Results

6WTCAG	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
77277U	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
77NNCP	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
7AHQTA	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
7FX8ED	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
7RFR3V	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
7RTN2T	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	[8],9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

7ZMTVU	Identifiler®, Investigator® 24plex (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
7ZR9CF	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	9
	14,17,18	10				
8F42L6	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
8FYL7J	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
8PNA48	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
8PQZCB	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
8R8BU8	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,[13]	
3	7,8,9,12	10,12,13	12,13,16	[17.3],18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,[12],14
	21,22,[22.2,25]	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

8RCL3C	Investigator® 24plex QS (STRmix v2.4)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
8TPEXE	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
8W29LJ	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
92PEEC	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
96GAQZ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
96KP4Z	PowerPlex® Fusion (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
9BD74P	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

9JNRPX	PowerPlex® 17ESX Fast					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17		
3		10,12,13	12,13,16	17.3,18,21,22		9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	
	14,17,18					
9LD2XE	Identifiler® Plus (DNA VIEW ver37.33)					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
9PNRL3	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
9QYMAF	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
9R2GQR	GlobalFiler™					
	13,[15],[16],18	18,20	[11],11.3,[13],14	15,16,[17]	[11],12,13	
3	7,8,[9],[12]	10,12,[13]	[12],13,16	17.3,18,[21],[22]	[9],[11],12,12	9,11,[13]
	12,[13],[17],20	14,[15],16.2	29,[30],33.2	11,15	X,X,[Y]	10,[11],12,[14]
	[21],[22],22.2,25			18,21.2,[29.2],[30.2]	6,7,[9]	8,9
	14,17,[18]	10			2	
9VTCYY	PowerPlex® PP21 (STRmix)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
A4K969	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7	8,9
	14,17,18	10			2	

TABLE 2

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 3 - STR Results

A68UHC	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	[15],16,17	11,12,[13]	
3	7,8,9,12	10,[12],[13]	12,13,[16]	17.3,18,21,22	[9],[11],12	[9],11,[13]
	12,13,17,20	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,[7],[9]	[8],9
	[14],17,[18]	10			2	
AB997Y	GlobalFiler™ (STRmix v 2.4.06)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ACVEW6	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
AHYLB9	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
AJKFQ9	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
ALWVKA	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
AMM7B3	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

AMV3R9	Investigator® 24plex QS (TrueAllele)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
APL4XW	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
AUR6QE	PowerPlex® Fusion 6C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
AW9VHW	PowerPlex® 21					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
B22QAM	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
B932M7	GlobalFiler™ (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
B943A6	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

B9JENN	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BB9R88	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
BC3E3J	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BHN7DJ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BRXQGE	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BXHV8U	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BZ86EA	GlobalFiler™					
	13,15,16,18	18,20	11,[11.3],13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,12	10,[12],13	12,13,[16]	17.3,18,21,22	9,11,12	[9],11,13
	12,13,17,[20]	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,[12],14
	21,22,22.2,25			18,21.2,29.2,30.2	6,[7],9	[8],9
	[14],17,18	10			2	

TABLE 2

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

Item 3 - STR Results

C7GGJ3	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
C8RDVY	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
C9M2AN	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CATNG2	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	-
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	-	-	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	-	-	2	
CAUKKP	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CEQ4C4	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CLU6G4	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

CPTGC4	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CRDA2C	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CY8XEC	PowerPlex® Fusion 6C (STR Mix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
CZ8FUD	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
CZR4E9	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
D4PVAC	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
D7BTD9	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

D9EL2Z	GlobalFiler™ (eDNA Bullet)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
DBJAJB	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
DEJDCJ	GlobalFiler™					
	13,[15],[16],18	18,20	[11],11.3,[13],14	15,16,17	11,12,13	
3	7,8,[9],[12]	10,12,[13]	[12],13,16	17.3,18,[21],[22]	[9],[11],12	9,11,[13]
	12,[13],[17],20	14,[15],16.2	29,[30],33.2	11,15	X,[Y]	10,[11],12,[14]
	[21],[22],22.2,25			18,21.2,[29.2],[30.2]	6,7,[9]	8,9
	14,17,[18]	10			2	
DF7MW2	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
DLRGTY	GlobalFiler™					
	13,[15],[16],18	18,20	[11],11.3,[13],14	15,16,[17]	[11],12,13	
3	7,8,[9],[12]	10,12,[13]	[12],13,16	17.3,18,[21],[22]	[9],12	9,11,[13]
	12,[13],[17],20	14,[15],16.2	29,[30],33.2	11,15	X,[Y]	10,[11],12,[14]
	[21],[22],22.2,25			18,21.2,[29.2],[30.2]	6,7,[9]	8,9
	14,17,[18]	10			2	
DPUN33	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
DTBZWX	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

DUMHCX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
E7U3RV	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
E8ZEFJ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
E94THY	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
EE3L6Y	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
EGXXBZ	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
EHYC2X	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

ELXMX	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ERFKBT	PowerPlex® PP21 (STRMix)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
EVUC99	PowerPlex® Fusion 5C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,12	10,12,13	12,13,[16]	17.3,18,21,22	9,[11],12	9,11,13
	12,13,17,20	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25	10,[12],[13]	[14],17,[21]		6,7,9	[8],9
	14,17,18	10				
EZGBC3	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
F9VCDX	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,[12],[13]	
3	7,8,9,[12]	10,[12],[13]	[12],13,[16]	17.3,18,21,22	[9],[11],12	[9],11,[13]
	12,13,[17],[20]	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,[30.2]	6,[7],[9]	[8],9
	[14],17,[18]	10			2	
FBQ9QP	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
FT4DTP	PowerPlex® Fusion 6C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

FW7GCP	PowerPlex® 21 (STRmix)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
FXMW34	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
FXUPLZ	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
FZ6T9P	PowerPlex® PP21 (STRMIX)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
G6TVHE	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
G7GAZX	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
GD7TDD	PowerPlex® Fusion 6C (strmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

GE9KBD	GlobalFiler™ (STRmix 2.4.06)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
GGYV27	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
GHQ34H	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
GK68A9	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
GLA2GC	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	--
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	--	6,7,9	8,9
	14,17,18	10	--	--	--	
GTDYFW	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
GYTREU	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

H3KW3Z	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
H3ZFMW	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
H8KLPW	Identifiler® Plus (STRmix)					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
H9E8KA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	[15,16],17	11,[12,13]	
3	7,8,9,12	10,[12,13]	[12],13,[16]	17.3,18,21,22	9,11,12	[9],11,[13]
	12,13,17,20	14,[15,16.2]	29,[30,33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,[7,9]	[8],9
	[14],17,[18]	[10]			[2]	
HBBLGE	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
HNTFKD	PowerPlex® Fusion System, NGM Select					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
HRBVV6	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

HU4A44	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
HUWJ76	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
HXWQR3	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
HZCNXL	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
J3ATLQ	PowerPlex® Fusion 5C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
J4BGAV	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
JA7LND	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

JCXNGZ	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
JDUXTP	PowerPlex® Fusion 6C (Lab Retriever)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
JE6V88	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
JGRJDZ	PowerPlex® Fusion					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,[12]	10,[12,13]	[12],13,[16]	17.3,18,[21,22]	[9,11],12	9,11,[13]
	[12],13,[17],20	14,[15,16.2]	29,[30,33.2]	11,15	X,[Y]	10,11,12,[14]
	21,22,22.2,25	10,[12,13]	[14],17,[21]		6,[7,9]	[8],9
	[14],17,[18]	10				
JJ3JLT	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
JLEBH9	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
JQJ4KY	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

JTQBA7	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
JZYTDX	Identifiler® Plus (STRmix)					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
K6BDJA	GlobalFiler™ (STRmix v. 2.4)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
K7T4EN	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
K7YR2R	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
KCRU9Y	PowerPlex® Fusion					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,[12],13	
3	7,8,9,12	10,12,[13]	[12],13,16	17.3,18,21,22	[9,11],12	9,11,[13]
	12,13,[17],20	14,[15,16.2]	29,[30,33.2]	11,15	X,[Y]	10,11,12,14
	21,[22],22.2,25	10,[12,13]	[14],17,[21]		6,7,9	[8],9
	14,17,[18]	10				
KHFECE	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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 3 - STR Results

KKRUB2	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
KFLXC	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
KMWHUW	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
KMY8XU	GlobalFiler™ (STRMIX)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
KRFJ7W	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
KVZUFD	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
KZXDKX	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					

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 3 - STR Results

L8GYCG	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
LBJTER	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
LEGARL	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
LNF9Q7	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
LRY942	PowerPlex® Fusion 6C					
	13,15,16,18	18,18,20,20	11,11.3,13,14	15,16,17,17	11,11,12,13	
3	7,8,9,12	10,10,12,13	9,11,12,12	17.3,18,21,22	14,17,17,21	9,11,11,13
	12,13,17,20	14,14,15,16.2	29,29,30,33.2	11,11,15,15	X,X,X,Y	10,11,12,14
	21,22,22.2,25	10,10,12,13	9,11,11,13	18,21.2,29.2,30.2	6,6,7,9	8,9,9,9
	14,17,17,18	10	18	18		
LWWTQX	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
LWQFLA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

LYFNUP	Identifiler® Plus					
3	18,20			15,16,17	11,12,13	
	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
LYMTJF	GlobalFiler™					
3	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
MCRFCW	PowerPlex® 21					
3	13,15,16,18	18,20		15,16,17	11,12,13	11,19
	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
MEWWKZ	GlobalFiler™					
3	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
MMDJJW	Identifiler® Plus (STRmix)					
3	18,20			15,16,17	11,12,13	
	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
MPUZMA	GlobalFiler™					
3	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
MXM98Z	GlobalFiler™					
3	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

MZAPE8	GlobalFiler™ (STRmix v2.4.06)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
N26RMN	GlobalFiler™					
	13,15,16,[18]	18,20	11,11.3,13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,12	10,[12],[13]	[12],13,[16]	17.3,18,21,22	[9],[11],12	[9],11,[13]
	12,13,17,[20]	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,[12],14
	21,22,[22.2],25			18,21.2,29.2,30.2	6,[7],[9]	[8],9
	[14],17,[18]	10			2	
N7TCKW	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
NAJCDE	PowerPlex® Fusion 6C (STRMix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
NCLLWW	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
NGJX29	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
NL38X6	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

NW9B7N	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
NWCQLA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
NWE8BT	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
NXZ2GT	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
P3F38Y	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
P3UFKA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
P4WWBU	Identifiler® Plus (STRmix)					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					

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 3 - STR Results

PA7GTQ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	[9],11,[13]
	12,13,17,20	14,15,16.2	29,[30],[33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	[8],9
	[14],17,[18]	10			2	
PAR8NW	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
PKLL9	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
PN6KY3	GlobalFiler™ (STRmix 2.4)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
PY82N8	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
QBZK6Y	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
QGQUJH	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

QH2W2V	Identifiler®					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
QJDGAK	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
QKQ6CW	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
QMUZUE	PowerPlex® Fusion 5C, Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
QTTRRV	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
QVAF6W	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
QVLFEX	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

QWF29N	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
QYMKCQ	PowerPlex® Fusion 6C (Lab Retriever)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
QZWL4	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
R3NPMQ	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
R64JXG	GlobalFiler™ (STRmix v2.4.06)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
R7PP9G	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
R8W9QP	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

R8WBFU	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
RANZ6G	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
RBJVGR	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
RCJR7E	PowerPlex® 21 (STRmix)					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
RD7KPB	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
RFDK7B	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
RG2F24	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

RU6ECV	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
RZ4RKU	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
T6MHWZ	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
T7JUZV	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
TAGJXU	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
TB9FJ2	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	NT
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	NT	NT	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	NT	NT	2	
TCJH8L	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	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 3 - STR Results

TFN48K	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
TGM6BQ	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
TJP6CN	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
TKX9QR	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
TLA4EK	GlobalFiler™ (STRmix)					
	13,15,16,17,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
TLDJU7	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
U69E7U	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

U6RD7D	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
U7FXLG	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
U8M7PU	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
UB79VF	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,[15,16.2]	29,[30,33.2]	11,15	X,[Y]	10,11,[12],14
	21,22,22.2,25	10,12,13	[14],17,[21]		6,[7,9]	[8],9
	14,17,18	10				
UF2YZQ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
UFVMEF	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
ULMUXN	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

UP3JZX	GlobalFiler™ (STRmix V2.4.06)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	NT
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	NT	NT	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	NT	NT	2	
UQAF9P	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
UUM886	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
V4TCVE	PowerPlex® Fusion 5C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
V969UM	Identifiler® Plus (STRmix)					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
VGEX8L	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
VHKE4Q	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	[15],[16],17	11,12,13	
3	7,8,9,12	10,[12],[13]	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	[8],9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

VMY3UU	PowerPlex® Fusion (STRmix)						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18			
VNNF4K	PowerPlex® Fusion 6C						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18			
VQLNKW	GlobalFiler™						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
WDTD2	GlobalFiler™						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
VXRMNQ	GlobalFiler™ (STRmix v2.5)						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
W7MUZ6	GlobalFiler™						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
W8GHKL	PowerPlex® Fusion 5C						
		13,15,16,18	18,20	11,11.3,13,14	[15,16],17	11,[12,13]	
	3	7,8,9,[12]	10,[12,13]	[12],13,[16]	17.3,18,21,22	9,11,12	[9],11,[13]
		12,13,17,[20]	14,[15],16.2	29,[30,33.2]	11,15	X,[Y]	10,11,[12],14
		21,22,22.2,25	10,12,[13]	[14],17,[21]		6,[7,9]	[8],9
	[14],17,[18]	10					

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

W9J9XB	GlobalFiler™						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
WAL9LA	Identifiler® Plus						
			18,20		15,16,17	11,12,13	
	3	7,8,9,12	10,12,13			9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2		X/X,Y	10,11,12,14
		21,22,22.2,25				6,7,9	8,9
	14,17,18						
WNDN7G	GlobalFiler™ (STRmix)						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		
WU2G89	PowerPlex® 21						
		13,15,16,18	18,20		15,16,17	11,12,13	11,19
	3	7,8,9,12	10,12,13		17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
		21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18						
WUYTRQ	PowerPlex® Fusion 6C						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18			
WVARNK	Investigator® 24plex QS (TrueAllele)						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10					
X2VZQQ	GlobalFiler™						
		13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
		12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
		21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2		

TABLE 2

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

Item 3 - STR Results

X3KBFH	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
X3LBJ	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
X3R8LN	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
X6TLHT	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
XAP2BA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
XBDLRY	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
XP4ACD	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

XTYZHP	PowerPlex® Fusion 5C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,[12]	10,[12],13	12,13,[16]	17.3,18,21,22	9,11,12	[9],11,[13]
	12,13,17,20	14,15,[16.2]	29,[30],[33.2]	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,[21]		6,[7],[9]	[8],9
	14,17,18	10				
XVKYLL	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
XWLM9R	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
XYH9UM	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
Y24LMP	PowerPlex® Fusion 5C, Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
Y9PAWE	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,12	10,[12],[13]	[12],13,[16]	[17.3],18,21,22	[9],[11],12	[9],11,[13]
	12,13,17,[20]	14,[15],[16.2]	29,[30],[33.2]	11,15	X,[Y]	[10],11,[12],[14]
	21,22,22.2,[25]			18,21.2,29.2,30.2	6,[7],[9]	[8],9
	[14],17,[18]	10			2	
Y9ZGM9	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	

TABLE 2

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

Item 3 - STR Results

YAXQGQ	PowerPlex® Fusion 5C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18	10				
YCCXLL	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
YF9QBA	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
YJHVQB	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					
YLQ7ME	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
YRTJ2P	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	[15],[16],17	11,[12],[13]	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,[15],[16.2]	29,[30],[33.2]	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	[8],9
	14,17,18	10			2	
YY723J	Identifiler® Plus, MiniFiler					
		18,20		15,16,17	11,12,13	
3	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					

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 3 - STR Results

YZYPQG	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ZD2V3Q	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
ZDX9KD	Investigator® 24plex QS (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10				
ZFLKJ	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ZLBXNR	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	NT
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18	NT	
ZPLGTY	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ZRBP2E	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	[9],11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,[12],14
	21,22,[22.2],25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,[7],9	8,9
	14,17,18	10	18	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 3 - STR Results

ZRV7GG	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
ZU669H	PowerPlex® Fusion 6C (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
ZYY9P4	PowerPlex® Fusion 5C, Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
ZZ6VUF	PowerPlex® Fusion 6C					
	[13],15,16,[18]	18,20	11,11.3,13,14	15,16,17	11,12,13	
3	7,8,9,12	10,12,13	12,13,16	[17.3],[18],21,22	9,11,12	[9],11,13
	[12],13,17,[20]	14,15,[16.2]	29,30,33.2	11,15	X,Y	[10],11,[12],14
	21,22,[22.2],[25]	10,12,13	14,17,21	18,21.2,29.2,30.2	6,[7],9	8,9
	14,17,18	10	18	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 3e - STR Results

9PNKMG	GlobalFiler™					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3e	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
BN26X4	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3e	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
FZ28KW	GlobalFiler™					
	13,15,16,18	18,20	[11],11.3,13,14	[15],16,17	11,[12],[13]	
3e	7,8,9,12	10,[12],[13]	[12],13,[16]	17.3,18,21,22	[9],[11],12	[9],11,[13]
	12,[13],17,20	14,[15],[16.2]	29,30,33.2	11,15	X,[Y]	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,[7],[9]	[8],9
	[14],17,[18]	10			2	
G6XMZE	PowerPlex® PP21					
	13,15,16,18	18,20		15,16,17	11,12,13	11,19
3e	7,8,9,12	10,12,13		17.3,21	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21		6,7,9	8,9
	14,17,18					
MT8KJH	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
3e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MY43AV	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3e	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10			2	
QLZ8WV	Identifiler® Plus					
		18,20		15,16,17	11,12,13	
3e	7,8,9,12	10,12,13			9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2		X,X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	14,17,18					

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 3e - STR Results

TZVBER	Identifiler® Plus					
		18,20		15,16,17	11,13	
3e	7,8,9,12	10,12,13			9,11,12	9,11,13
	17,20	14,15,16.2	29,30		X,Y	10,11,12,14
	21,22,22.2,25				6,7,9	8,9
	17,18					
WJPHUK	PowerPlex® Fusion 6C					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
3e	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25	10,12,13	14,17,21	18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10	18	18		
ZDRZ4X	Identifiler® Plus					
		18,20		15,16	12,13	
3e	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					

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

9PNKMG	GlobalFiler™					
	NT	NT	NT	NT	NT	
	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT
	NT	NT		NT	NT	NT
BN26X4	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
FZ28KW	GlobalFiler™					
	3sp					
			33.2		X	
G6XMZE	PowerPlex® PP21					
	3sp					
MT8KJH	GlobalFiler™					
	15,16	18,20	11,13	17,17	11,11	
	9,12	10,13	12,13	21,22	9,11	11,13
	13,17	14,15	29,30	11,15	X,Y	11,14
	21,22			29.2,30.2	6,9	9,9
	17,18	10		2		
MY43AV	GlobalFiler™ (STRmix)					
	13,15,16,18	18,20	11,11.3,13,14	15,16,17	11,12,13	
	7,8,9,12	10,12,13	12,13,16	17.3,18,21,22	9,11,12	9,11,13
	12,13,17,20	14,15,16.2	29,30,33.2	11,15	X,Y	10,11,12,14
	21,22,22.2,25			18,21.2,29.2,30.2	6,7,9	8,9
	14,17,18	10		2		
QLZ8WV	Identifiler® Plus					
	3sp					
		-		-	-	
	-	-			-	-
	-	-	-		-	-
	-			-	-	

TABLE 2

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

Item 3sp - STR Results

TZVBER	Identifiler® Plus					
3sp	[REDACTED]					
	[REDACTED]					
WJPHUK	PowerPlex® Fusion 6C					
3sp	[REDACTED]					
	[REDACTED]					
ZDRZ4X	Identifiler® Plus					
3sp		18,20		17,17	11,11	
	9,12	10,13			9,11	11,13
	13,17	14,15	29,30		X,Y	11,14
	21,22				6,9	9,9
	17,18					

TABLE 2

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

Item 4 - STR Results

2877D8	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2LQKG7	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
96GAQZ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
AJKFQ9	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
APL4XW	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
FBQ9QP	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
FXUPLZ	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	12	9,11
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

GLA2GC	PowerPlex® Fusion 5C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	--
4	7,8,10	10,12,13	15,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22.2,25	10,12	13,17,21	--	5,6,7,8	8,9,11
	14,16,17	11	--	--	--	
HNTFKD	PowerPlex® Fusion System, NGM SElect					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11				
KMWHUW	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
KZXDKX	Identifiler® Plus					
		18,20,(22),(24)		15,16,(17),(18)	12,13	
4	7,8,(10)	10,12,(13)			(8),12,12	9,11,(12)
	12,(15),20	(13),14,(16),16.2	29,(30),(32.2),33.2		X,X,(Y)	10,12
	(18),22.2,25				(5),6,7,(8)	8,9,(11)
	14,(16),17					
LRY942	PowerPlex® Fusion 6C					
	[13],15.3,16,[18]	[18],[20],22,24	[11.3],13,14,[14]	[15],[16],17,18	12,[12],13,[13]	
4	[7],8,[8],10	[10],12,[12],13	13,[13],[16],17	[17.3],[18],21,24	8,12,[12],[12]	[9],[11],11,12
	12,[12],15,[20]	13,[14],16,[16.2]	[29],30,32.2,[33.2]	[11],[15],16,17	[X],[X],X,Y	10,[10],12,[12]
	18,22,[22.2],[25]	9,[10],[10],12	13,17,[17],[21]	[18],[21.2],28.2,37	5,[6],[7],8	8,[8],[9],11
	14,[14],16,[17]	11	17	18		
LWQFLA	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
QVLFEX	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

R8W9QP	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
UUM886	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
W9J9XB	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
YZYPQG	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

26CGMJ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,37	5,6,7,8	8,9
	14,16,17	11			2	
2CLVGG	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2J3BF7	PowerPlex® 21 (STRMIX)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
4e	7,8,10	10,12,13		17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17					
2ML9TA	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2VQF9A	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2W7PAN	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
2X97Y8	PowerPlex® PP21 (STRmix)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
4e	7,8,10	10,12,13		17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	9,10	13,17,21		5,6,7,8	8,9,11
	14,16,17					

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

2XFLMZ	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2XYNGU	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
2YPQZN	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
2YRNCK	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
369GYN	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	5,6,7,8	8,9,[11]
	14,[16],17	11			2	
39HBGM	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
3BW4R9	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

3HWJHG	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
3L3Y37	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
43RANN	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
44DFBC	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
44L4BK	PowerPlex® Fusion 6C (STRMix)					
	13,16,17,18	18,20,22	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,15,16,17	16.3,17.3,18	8,11,12	9,11
	12,15,19,20	13,14,15.2,16.2	28,29,30,32.2,33.2	11,15,16,17	X	10,12
	18,22.2,25	9,10	13,17,21	17,18,20.2,21.2,28.2	6,7,8	8,9
	14,16,17		17	18		
4674XE	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
47NVD6	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

4FY7WH	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
4GW3F4	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
4JABEJ	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
4KZTQP	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
4LCB43	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
4VRXHJ	PowerPlex® Fusion 6C (STRMix)					
	13,15.3,16,18	18,20,24	11.3,13,14	14,15,16,17	11,12,13	
4e	7,8,10	10,11,12,13	12,13,15,16,17	17,17.3,18,21	8,11,12	9,11,12
	11,12,15,19,20	13,14,15.2,16,16.2	29,30,32.2,33.2	11,14,15,16,17	X,Y	10,11,12
	21.2,22.2,24,25	9,10,12	17,21	17,18,20.2,21.2,37	5,6,7	8,9,11
	14,16,17		17	18		
4X8JRC	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

4Z6NWL	PowerPlex® Fusion 5C (STRmix)					
	13,(15.3),(16),18	18,20,22,(24)	11.3,(13),14	15,16,(17),(18)	12,13	
4e	7,8,(10)	10,12,(13)	13,16,(17)	17.3,18,21,24	(8),12	9,11,(12)
	12,(15),20	(13),14,(16),16.2	29,(30),32.2,33.2	11,15,(16),(17)	X,(Y)	10,12
	18,22,22.2,25	(9),10,(12)	(13),17,21		(5),6,7,(8)	8,9,(11)
	14,(16),17	11				
63WFT9	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
6AGENM	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
6G7YXA	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,13,14	15,16,[17,18]	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,[21,24]	[8],12	9,11,12
	12,15,20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,11
	14,16,17	11			2	
6G8MKF	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
6JH4YW	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
6JRLNC	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					

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

6K3MAB	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
6LG3U4	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
6LGWWH	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25	9,10,12	13,16,17,20,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
6LQEXL	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
6TH9RE	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
6WTCAG	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
77277U	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[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

77NNCP	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	11,12,13	
4e	7,8,10	10,11,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,14,15,16,17	X,Y	10,11,12
	18,22,22.2,25	9,10,12	13,16,17,20,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
7AHQTA	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
7FX8ED	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
7RFR3V	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
7RTN2T	GlobalFiler™					
	13,[15.3],[16],18	18,20,22,24	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	5,6,7,8	8,9,[11]
	14,[16],17	11			2	
7ZMTVU	Identifiler®, Investigator® 24plex					
	13,[15.3,16],18	18,20,[24]	11.3,14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	14,16.2	29,[30,32.2],33.2	11,15	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[37]	[5],6,7,[8]	8,9,[11]
	14,17	11				
7ZR9CF	Investigator® 24plex QS (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

8F42L6	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
8FYL7J	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
8PNA48	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
8PQZCB	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
8R8BU8	PowerPlex® Fusion 6C					
	13,18#	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7#	8,9
	14,17	NR	NR	NR		
8RCL3C	Investigator® 24plex QS (STRmix v2.4)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	11,12,13	
4e	7,8,10	10,11,12,13	13,16,17	17.3,18,21,24	8,11,12	9,10,11,12
	12,15,19,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11				
8TPEXE	PowerPlex® Fusion 6C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,14	15,16,[17]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	12	9,11
	12,[15],20	14,16.2	29,33.2	11,15,[17]	X,[Y]	10,12
	[22],22.2,25	10	[13],17,21	18,21.2,[28.2]	6,7	8,9,[11]
	14,17	[11]	[17]	[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

8W29LJ	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
92PEEC	PowerPlex® Fusion 5C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9
	14,16,17	11				
96KP4Z	PowerPlex® Fusion (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
9BD74P	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
9JNRPX	PowerPlex® 17ESX Fast					
	13,18	18,20	11.3,14	15,16		
4e		10,12	13,16	17.3,18		9,11
	12,20	14,16.2	29,33.2	11,15	X,X	
	22.2,25			18,21.2	6,7	
	14,17					
9LD2XE	Identifiler® Plus (DNA VIEW ver37.33)					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
9PNKMG	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

9PNRL3	GlobalFiler™ (STRmix)					
	13,15.3,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
9QYMAF	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
9R2GQR	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
9VTCYY	PowerPlex® PP21 (STRmix)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
4e	7,8,10	10,12,13		17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	10,12	17,21		5,6,7,8	8,9,11
	14,16,17					
A4K969	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
A68UHC	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
AB997Y	GlobalFiler™ (STRmix v 2.4.06)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

ACVEW6	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,17	11	17	18		
AHYLB9	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
ALWVKA	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,17	11	17	18		
AMM7B3	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
AMV3R9	Investigator® 24plex QS (TrueAllele)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11				
AUR6QE	PowerPlex® Fusion 6C (STRMix)					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25	10	17,21	18,21.2	6,7	8,9
	14,17					
AW9VHW	PowerPlex® 21					
	13,[15.3,16],18	18,20,[22,24]		15,16,[17,18]	12,13	11,11,[16]
4e	7,8,[10]	10,12,[13]		17.3,18,[21,24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2		X,X,[Y]	10,12
	[18,22],22.2,25	10,10,[12]	[13],17,21		[5],6,7,[8]	8,9
	14,[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

B22QAM	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2	[5],6,7,[8]	8,9
	14,[16],17	[11]			[2]	
B932M7	GlobalFiler™ (STRMix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
B943A6	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,17	11	17	18		
B9JENN	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
BB9R88	PowerPlex® Fusion 5C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	10,[12]	[13],17,21		[5],6,7,[8]	8,9,[11]
	14,17	11				
BC3E3J	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
BHN7DJ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

BN26X4	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
BRXQGE	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
BXHV8U	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12	9,11
	12,20	14,16.2	29,33.2	11,15	X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
BZ86EA	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
C7GGJ3	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
C8RDVY	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
C9M2AN	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[23],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[36],[37]	[5],6,7,[8]	8,9,[11]
	14,[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

CATNG2	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	-
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	-	-	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	-	-	2	
CAUKKP	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
CEQ4C4	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
CLU6G4	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
CPTGC4	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
CRDA2C	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
CY8XEC	PowerPlex® Fusion 6C (STR Mix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

CZ8FUD	GlobalFiler™						
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13		
	4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25		18,21.2,28.2,37	5,6,7,8	8,9,11	
	14,16,17	11			2		
CZR4E9	PowerPlex® Fusion 6C						
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13		
	4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18			
D4PVAC	PowerPlex® Fusion 6C						
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13		
	4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18			
D7BTD9	PowerPlex® Fusion 6C (STRmix)						
	13,18	18,20	11.3,14	15,16	12,13		
	4e	7,8	10,12	13,16	17.3,18	12,12	9,11
		12,20	14,16.2	29,33.2	11,15	X,X	10,12
		22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17						
D9EL2Z	GlobalFiler™						
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13		
	4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25		18,21.2	5,6,7,8	8,9,11	
	14,16,17	11			2		
DBJAJB	GlobalFiler™						
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13		
	4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
		12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
		[18,22],22.2,25		18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]	
	14,[16],17	11			2		
DEJDCJ	GlobalFiler™						
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13		
	4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
		12,[15],20	[13],14,[16],16.2	29,30,32.2,33.2	11,15,[16],[17]	X,[Y]	10,12
		[18],[22],22.2,25		18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]	
	14,[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

DF7MW2	Investigator® 24plex QS (STRmix)					
	12,13,15.3,16,17,18	18,20,22,24	11.3,13,14,Q	15,16,17,18	11,12,13,Q	
4e	7,8,10,Q	10,11,12,13,Q	13,15,16,17	17.3,18,21,24	8,11,12,Q	9,10,11,12,Q
	12,15,19,20,Q	13,14,15.2,16.2,Q	29,30,32.2,33.2	11,15,16,17	X,Y	9,10,11,12,Q
	18,22,22.2,25,Q			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17,Q	11				
DLRGTY	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
DPUN33	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
DTBZWX	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
DUMHCX	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
E7U3RV	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
E8ZEFJ	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[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

E94THY	GlobalFiler™ (STRmix)					
	13,15.3,18	18,20,22	11.3,13,14	15,16,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9
	14,16,17	11			2	
EE3L6Y	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
EGXXBZ	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
EHYC2X	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
ELXMXW	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7	8,9
	14,16,17	11			2	
ERFKBT	PowerPlex® PP21 (STRMix)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
4e	7,8,10	10,12,13		17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9,11
	14,17					
EVUC99	PowerPlex® Fusion 5C (STRmix)					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	[9],10,[12]	[13],17,21		[5],6,7,[8]	8,9,[11]
	14,[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

EZGBC3	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
F9VCDX	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,[12]
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11		2		
FT4DTP	PowerPlex® Fusion 6C (STRMix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,11,12,13	12,13,15,16,17	17.3,18,21,24	8,11,12	8,9,10,11,12
	12,15,19,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25	9,10,12	13,16,17,20,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
FW7GCP	PowerPlex® 21 (STRmix)					
	13,16,18	18,20		15,16	12,13	11,16
	7,8,10	10,12,13		17.3,18,21	8,12	9,11
	12,15,20	14,16,16.2	29,33.2		X,X	10,12
	18,22.2,25	10,10	17,21		5,6,7,8	8,9,11
	14,17					
FXMW34	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]		[2]		
FZ28KW	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
	[7],8,[10]	[10],12,[13]	13,[16],[17]	17.3,18,[21],[24]	[8],12	[9],11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,8	8,[9],[11]
	14,[16],17	11		2		
FZ6T9P	PowerPlex® PP21 (STRMIX)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
	7,8,10	10,12,13		17.3,18,21,23,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17					

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

G6TVHE	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
G6XMZE	PowerPlex® PP21					
	13,18	18,20		15,16	12,13	11
4e	7,8	10,12		17.3,18	12	9,11
	12,15,20	14,16.2	29,33.2		X	10,12
	22,22.2,25	10	17,21		6,7	8,9
	14,17					
G7GAZX	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
GD7TDD	PowerPlex® Fusion 6C (strmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,11,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
GE9KBD	GlobalFiler™ (STRmix 2.4.06 for interpretation 4 sp)					
	13,15.3,16,18	18,20,22,24	11.3,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
GGYV27	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
GHQ34H	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[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

GK68A9	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
GTDYFW	Investigator® 24plex QS (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13,Q	
4e	7,8,10,Q	10,11,12,13,Q	13,16,17	17.3,18,21,24	8,11,12,Q	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17,Q	11				
GYTREU	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
H3KW3Z	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
H3ZFMW	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
H8KLPW	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
H9E8KA	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					

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

HBBLGE	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
HRBVV6	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
HU4A44	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
HUWJ76	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
HXWQR3	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
HZCNXL	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,17,18	17,18,20,22	11.3,13,14	14,15,16,17,18	11,12,13	
4e	7,8,10	9,10,11,12,13	12,13,15,16,17	17.3,18,21,24	8,11,12	8,9,10,11,12
	11,12,15,19,20	13,14,15.2,16.2	28,29,30,32.2,33.2	11,14,15,16	X,Y	9,10,11,12
	18,22,22.2,25	9,10,12	13,17,20,21	18,20.2,21.2,28.2,37	5,6,7,8	8,9
	14,16,17	11	17	18		
J3ATLQ	PowerPlex® Fusion 5C					
	13,15.3,16,18	18,20,22,24	11.3,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17	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

J4BGAV	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
JA7LND	GlobalFiler™					
	13,[15.3,16],18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,21,24	[8],12	9,11,[12]
	12,[15],20	[13],14,16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	18,[22],22.2,25			18,21.2,[28.2,37]	[5],6,7	8,9,[11]
	14,[16],17	11			2	
JCXNGZ	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
JDUXTP	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
JE6V88	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
JGRJDZ	PowerPlex® Fusion					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,[10]	10,12,13	13,16,[17]	[17.3],18,21,[24]	[8],12	9,11,12
	12,[15],20	13,14,16,16.2	29,30,[32.2],33.2	11,15,16,17	X,[Y]	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,[8]	8,9,[11]
	14,16,17	11				
JJ3JLT	Investigator® 24plex QS (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

JLEBH9	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16	17.3,18,21,24	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
JQJ4KY	PowerPlex® Fusion 6C (STRmix)					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
JTQBA7	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
JZYTDX	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
K6BDJA	GlobalFiler™ (STRmix v. 2.4)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
K7T4EN	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
K7YR2R	PowerPlex® Fusion 6C					
	13,18#	18,20#	11.3,14#	15,16#	12,13	
4e	7,8#	10,12#	13,16#	17.3,18#	12#	9,11#
	12,20#	14,16.2#	29,33.2#	11,15#	X	10,12
	22.2,25#	10#	17,21#	18,21.2#	6,7#	8,9#
	14,17#	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

KCRU9Y	PowerPlex® Fusion					
	13,[15.3,18]	18,20,[22,24]	11.3,14	15,16,[17]	12,13	
4e	7,8	10,12,[13]	13,16	17.3,18,[21]	12	9,11,[12]
	12,[20]	14,[16],16.2	29,33.2	11,15	X,[Y]	10,12
	22.2,25	10	17,21		6,7,[8]	8,9
	14,[16,17]					
KHFECE	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,(11),12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
KKRUB2	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
KLFLXC	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
KMY8XU	GlobalFiler™ (STRMIX)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
KRFJ7W	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
KVZUFD	GlobalFiler™ (Gene Mapper ID-X 1.5)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

L8GYCG	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
LBJTER	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
LEGARL	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
LNF9Q7	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,10,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
LVWTQX	PowerPlex® Fusion 5C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	[9],10,[12]	[13],17,21		[5],6,7,[8]	8,9,[11]
	14,[16],17	11				
LYFNUP	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
LYMTJF	GlobalFiler™					
	13,[15.3],[16],18	18,20,[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7	8,9,[11]
	14,[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

MCRFCW	PowerPlex® 21					
	13,16,18	18,20		15,16,17,18	12,13	11
4e	7,8	10,12,13		17,3,18	12	9,11,12
	12,15,20	14,16,16.2	29,32.2,33.2		X,Y	10,12
	22.2,25	9,10	17,21		5,6,7,8	8,9,11
	14,16,17					
MEWWKZ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
MMDJJW	Identifiler® Plus					
		18,20,22		15,16,17,18	12,13	
4e	7,8	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22.2,25				6,7,8	8,9,11
	14,17					
MPUZMA	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
MT8KJH	GlobalFiler™					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25			18,21.2	6,7	8,9
	14,17					
MXM98Z	GlobalFiler™					
	13,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2	5,6,7,8	8,9,11
	14,16,17	11			2	
MY43AV	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

MZAPE8	GlobalFiler™ (STRmix v2.4.06)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
N26RMN	GlobalFiler™					
	13,[15.3],[16],18	[18],20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	[7],8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	[9],11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],[17]	11			2	
N7TCKW	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
NAJCDE	PowerPlex® Fusion 6C (STRMix)					
	13,17,18	18,20,24	11.3,13,14	14,15,16,17,18	11,12,13	
4e	7,8,10	10,11,12,13	12,13,15,16,17	17.3,18,21,24	8,11,12	9,11,12
	12,15,19,20	13,14,16.2	28,29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	17,18,20.2,21.2	5,6,7	8,9
	14,16,17	11	17			
NCLLWW	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
NGJX29	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
NL38X6	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

NW9B7N	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
NWCQLA	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
NWE8BT	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
NXZ2GT	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	6,7,8	8,9
	14,16,17	11			2	
P3F38Y	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
P3UFKA	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
P4WWBU	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					

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

PA7GTQ	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9
	14,[16],17	11			2	
PAR8NW	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
PKLL9	GlobalFiler™					
	13,[15.3,16],18	18,20,22,24	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	5,6,7,8	8,9,[11]
	14,16,17	11			2	
PN6KY3	GlobalFiler™ (STRmix 2.4)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	14,16,16.2	29,30,32.2,33.2	11,15,16,17	X	10,12
	18,22.2,25			18,21.2,37	5,6,7,8	8,9
	14,17	11			2	
PY82N8	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
QBZK6Y	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	6,7,8	8,9
	14,16,17	11			2	
QGQUJH	PowerPlex® Fusion 6C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	[9],10,[12]	[13],17,21	18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]	[17]	[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

QH2W2V	Identifiler®					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22.2,25				5,6,7,8	8,9,11
	14,16,17					
QJDGAK	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
QKQ6CW	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
QLZ8WV	Identifiler® Plus					
		18,20,(22),(24)		15,16,(17),(18)	12,13	
4e	7,8,(10)	10,12,(13)			(8),12,12	9,11,(12)
	12,(15),20	(13),14,16.2	29,(30),(32.2),33.2		X,X,(Y)	10,12
	(18),22.2,25				(5),6,7,(8)	8,9,(11)
	14,(16),17					
QMUZUE	PowerPlex® Fusion 5C, Fusion 6C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	[9],10,[12]	[13],17,21	18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11	17	18		
QTTRRV	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
QVAF6W	Investigator® 24plex QS (STRmix)					
	13,15.3,16,17,18	18,20,22,24	11.3,13,14,Q	14,15,16,17,18,Q	11,12,13,Q	
4e	7,8,10,Q	10,12,13,Q	13,16,17	17.3,18,21,24	8,11,12,Q	9,10,11,12,Q
	12,15,19,20,Q	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12,Q
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11,Q
	14,16,17,Q	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

QWF29N	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
QYMKCQ	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
QZWL4	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
R3NPMQ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
R64JXG	GlobalFiler™ (STRmix v2.4.06)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
R7PP9G	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
R8WBFU	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

RANZ6G	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
RBJVGR	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
RCJR7E	PowerPlex® 21 (STRmix)					
	13,15.3,16,18	18,20,22,24		15,16,17,18	12,13	11,13,16
4e	7,8,10	10,12,13		17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17					
RD7KPB	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
RFDK7B	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9
	14,[16],17	11			2	
RG2F24	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
RU6ECV	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

RZ4RKU	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
T6MHWZ	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
T7JUZV	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
TAGJXU	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
TB9FJ2	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	NT
4e	7,8,10	10,11,12,13	12,13,15,16,17	17.3,18,21,24	8,12	9,10,11,12
	11,12,15,19,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	9,10,11,12
	18,22,22.2,25	NT	NT	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	NT	NT	2	
TCJH8L	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
TFN48K	Investigator® 24plex QS (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14,Q	15,16,17,18	11,12,13	
4e	7,8,10,Q	9,10,11,12,13,Q	12,13,15,16,17	17.3,18,21,24	8,11,12,Q	9,10,11,12
	11,12,15,19,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	9,10,11,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

TGM6BQ	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
TJP6CN	GlobalFiler™					
	13,18	18,20,24	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,33.2	11,15	X	10,12
	18,22,2,25			18,21.2,37	6,7,8	8,9
	14,17	11				
TKX9QR	PowerPlex® Fusion 5C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		6,7,8	8,9,11
	14,16,17	11				
TLA4EK	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
TLDJU7	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25			18,21.2,[28.2,37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
TZVBER	Identifiler® Plus					
		18,20,(22)		15,16,(17),(18)	12,13	
4e	7,8,(10)	10,12,(13)			(8),12,12	9,11,(12)
	12,(15),20	(13),14,(16),16.2	29,(30),(32.2),33.2		X,X	10,12
	(18),(22),22.2,25				(5),6,7	8,9,(11)
	14,17					
U69E7U	GlobalFiler™					
	13,18	18,20,22,24	11.3,13,14	15,16	12,13	
4e	7,8	10,12,13	13,16	17.3,18	12	9,11
	12,20	13,14,16,16.2	29,33.2	11,15	X	10,12
	18,22,22.2,25			18,21.2	5,6,7,8	8,9
	14,17	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

U6RD7D	GlobalFiler™					
	13,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
U7FXLG	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
U8M7PU	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
UB79VF	PowerPlex® Fusion 5C					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],22.2,25	10,[12]	[13],17,21		[5],6,7,[8]	8,9,[11]
	14,[16],17	11				
UF2YZQ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9
	14,16,17	11			2	
UFVMEF	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
ULMUXN	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

UP3JZX	GlobalFiler™ (STRmix V2.4.06)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	11,12,13	NT
4e	7,8,10	10,11,12,13	12,13,15,16,17	17.3,18,21,24	11,12	9,10,11,12
	11,12,15,19,20	13,14,16,16.2	28,29,30,32.2,33.2	10,11,14,15,16,17	X,Y	9,10,11,12
	18,22,22.2,25	NT	NT	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	NT	NT	2	
UQAF9P	Identifiler® Plus					
		18,20,[22],[24]		15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]			[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2		X,[Y]	10,12
	[18],[22],22.2,25				[5],6,7,[8]	8,9,[11]
	14,[16],17					
V4TCVE	PowerPlex® Fusion 5C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17	11				
V969UM	Identifiler® Plus (STRmix)					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
VGEX8L	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
VHKE4Q	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	[11]			[2]	
VMY3UU	PowerPlex® Fusion (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2	5,6,7,8	8,9,11
	14,16,17	11	17	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

VNNF4K	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
VQLNKW	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
WDTD2	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
VXRMNQ	GlobalFiler™ (STRmix v2.5)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
W7MUZ6	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12,12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
W8GHKL	PowerPlex® Fusion 5C					
	13,[15.3,16],18	18,20,[22,24]	11.3,14	15,16,[17]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[20]	[13],14,[16],16.2	29,[30],33.2	11,15,[16,17]	X,[Y]	10,12
	[18],22.2,25	10	[13],17,[20],21		[5],6,7,[8]	8,9,[11]
	14,17	11				
WAL9LA	Identifiler® Plus					
		18,20		15,16	12,13	
4e	7,8	10,12			12	9,11
	12,20	14,16.2	29,33.2		X	10,12
	22.2,25				6,7	8,9
	14,17					

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

WJPHUK	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
WNDN7G	GlobalFiler™ (STRmix on epithelial fraction)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11		2		
WU2G89	PowerPlex® 21					
	13,16,18	18,20,22,24		15,16,17	12,13	11,13
	7,8	10,12,13		17.3,18	8,12	9,11,12
	12,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,2,25	9,10,12	17,21		5,6,7,8	8,9,11
	14,16,17					
WUYTRQ	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
WVARNK	Investigator® 24plex QS (TrueAllele)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,23,24	8,12	9,11
	12,15,18,20	14,16,16.2	29,30,32.2,33.2	11,15,16	X	10,12
	18,22,2,25			18,21.2,28.2	5,6,7,8	8,9
	14,16,17	11				
X2VZQQ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11		2		
X3KBFH	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

X3LBGJ	PowerPlex® Fusion 6C					
	13,18	18,20	11.3,14	15,16	12,13	
4e	7,8	10,12	13,16	17.3,18	12,12	9,11
	12,20	14,16.2	29,33.2	11,15	X,X	10,12
	22.2,25	10,10	17,21	18,21.2	6,7	8,9
	14,17					
X3R8LN	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	11,12,13	
4e	7,8,10	10,11,12,13	13,15,16,17	17.3,18,21,24	8,11,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,11,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
X6TLHT	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
XAP2BA	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
XBDLRY	GlobalFiler™					
	13,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2	5,6,7,8	8,9
	14,17	11			no results	
XP4ACD	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
XTYZHP	PowerPlex® Fusion 5C (STRmix)					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	[9],10,[12]	17,21		[5],6,7,[8]	8,9,[11]
	14,[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

XVKYLL	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
XWLM9R	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11		2		
XYH9UM	GlobalFiler™					
	13,[15.3,16],18	18,20,[22,24]	11.3,[13],14	15,16,[17,18]	12,13	
	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21,24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30,32.2],33.2	11,15,[16,17]	X,[Y]	10,12
	[18,22],[22.2,25]			18,21.2,[28.2,37]	[5,6,7,8]	8,9,[11]
	14,[16],17	[11]		[2]		
Y24LMP	PowerPlex® Fusion 5C, Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11
	12,15,20	13,14,16,16.2	29,30,33.2	11,15	X,Y	10,12
	18,22,22.2,25	10,12	17,21	18,21.2	5,6,7,8	8,9,11
	14,16,17					
Y9PAWE	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	[11.3],[13],14	15,16,[17],[18]	12,13	
	7,8,[10]	10,12,[13]	13,[16],[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],[20]	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],[22.2,25]			18,21.2,[28.2],[37]	5,6,7,[8]	8,9,[11]
	14,[16],[17]	11		2		
Y9ZGM9	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11		2		
YAXQGQ	PowerPlex® Fusion 5C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	10,12	13,17,21		5,6,7,8	8,9,11
	14,16,17	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

YCCXLL	Identifiler® Plus					
		18,20,(22),(24)		15,16,(17),(18)	12,13	
4e	7,8,(10)	10,12,(13)			(8),12	9,11,(12)
	12,(15),20	(13),14,(16),16.2	29,(30),(32.2),33.2		X,(Y)	10,12
	(18),(22),22.2,25				(5),6,7,(8)	8,9,(11)
	14,(16),17					
YF9QBA	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
YJHVQB	Identifiler® Plus					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,16,17					
YLQ7ME	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	18		
YRTJ2P	GlobalFiler™					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	[13],14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25			18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11			2	
YY723J	Identifiler® Plus, MiniFiler					
		18,20,22,24		15,16,17,18	12,13	
4e	7,8,10	10,12,13			8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2		X,Y	10,12
	18,22,22.2,25				5,6,7,8	8,9,11
	14,17					
ZD2V3Q	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25	9,10,12	13,17,21	18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11	17	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

ZDRZ4X	Identifiler® Plus					
		18,20		15,16	12,13	
4e	7,8	10,12			12,12	9,11
	12,20	14,16.2	29,33.2		X,X	10,12
	22.2,25				6,7	8,9
	14,17					
ZDX9KD	Investigator® 24plex qs (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11				
ZFLKJ	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2	5,6,7,8	8,9,11
	14,16,17	11			2	
ZLBXNR	PowerPlex® Fusion 6C					
	13,15.3,16,18	18,20,22	11.3,13,14	15,16,17,18	12,13	NT
4e	7,8,10	10,12	13,16,17	17.3,18,24	8,12	9,11,12
	12,15,20	13,14,16.2	29,30,32.2,33.2	11,15,16	X,Y	10,12
	18,22,22.2,25	10,12	13,17,21	18,21.2	5,6,7,8	8,9,11
	14,16,17	11	NR	18	NT	
ZPLGTY	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
ZRBP2E	PowerPlex® Fusion 6C					
	13,18#	18,20#	11.3,14	15,16#	12,13	
4e	7,8	10,12#	13,16#	17.3,18#	12#	9,11#
	12,20	14,16.2#	29,33.2	11,15#	X#	10,12
	22.2,25	10#	17,21#	18,21.2#	6,7#	8,9
	14,17#	NR#	NR#	NR#		
ZRV7GG	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4e	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	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

ZU669H	PowerPlex® Fusion 6C (STRmix)					
	13,16,18	18,20	11.3,14	15,16,17	12,13	
4e	7,8	10,12	13,16	17.3,18	8,12	9,11
	12,15,20	13,14,16.2	29,30,33.2	11,15,16	X	10,12
	22.2,25	10	13,17,21	18,21.2	6,7	8,9
	14,17	11	NR	NR		
ZYY9P4	PowerPlex® Fusion 5C, Fusion 6C					
	13,[15.3],[16],18	18,20,[22],[24]	11.3,[13],14	15,16,[17],[18]	12,13	
4e	7,8,[10]	10,12,[13]	13,16,[17]	17.3,18,[21],[24]	[8],12	9,11,[12]
	12,[15],20	14,[16],16.2	29,[30],[32.2],33.2	11,15,[16],[17]	X,[Y]	10,12
	[18],[22],22.2,25	10,[12]	[13],17,21	18,21.2,[28.2],[37]	[5],6,7,[8]	8,9,[11]
	14,[16],17	11	17	18		
ZZ6VUF	PowerPlex® Fusion 6C					
	13,18#	18,20#	11.3,14	15,16#	12,13	
4e	7,8#	10,12#	13,16#	17.3,18#	12#	9,11#
	12,20#	14,16.2#	29,33.2#	11,15#	X#	10,12
	22.2,25#	10#	17,21#	18,21.2#	6,7#	8,9#
	14,17#	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 4sp - STR Results

26CGMJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	29,30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2CLVGG	GlobalFiler™					
	15,3,16	18,20,22,24	13,14	15,17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,16	29,30,32.2,33.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,9,11
	14,16,17	11			2	
2J3BF7	PowerPlex® 21 (STRMIX)					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					
2ML9TA	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2VQF9A	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2W7PAN	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
2X97Y8	PowerPlex® PP21 (STRmix)					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

2XFLMZ	GlobalFiler™ (STRmix)					
	15.3,16	22,24	11.3,13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2XYNGU	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2YPQZN	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
2YRNCK	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
369GYN	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
39HBGM	GlobalFiler™					
	[13],15.3,16,[18]	[18],22,24	[11.3],13,14	[15],[16],17,18	12,13	
4sp	8,10	12,13	13,[16],17	[17.3],21,24	8,12	11,12
	12,15,[20]	13,[14],16	[29],30,32.2,[33.2]	16,17	X,Y	10,12
	18,22,[25]			[18],28.2,37	5,[7],8	8,[9],11
	14,16	11			2	
3BW4R9	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

3HWJHG	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3L3Y37	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
43RANN	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
44DFBC	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
44L4BK	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16	20,21,22,23,24	12,13,14	16,17,18	11,12,13	
4sp	8,9,10	11,12,13	12,13,16,17	20,21,23,24	8,11,12	11,12
	11,12,14,15	12,13,14,15,16,16.2	29,30,31.2,32.2,33.2	11,15,16,17,18	X,Y	9,10,11,12
	18,22	9,12	12,13,17	27.2,28.2,36,37,38	5,7,8	8,10,11
	14,15,16	11	17	18		
4674XE	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
47NVD6	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22,[25]	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

4FY7WH	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
4GW3F4	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
4JABEJ	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
4KZTQP	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4LCB43	GlobalFiler™					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4sp	8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
4VRXHJ	PowerPlex® Fusion 6C (STRMix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
4X8JRC	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

4Z6NWL	PowerPlex® Fusion 5C (STRmix)					
	15.3,16	22,24	(11.3),13,14	(16),17,18	12,13	
4sp	(7),8,10	(10),12,13	13,(16),17	21,24	8,12	11,12
	12,15,(20)	13,(14),16,(16.2)	(29),30,32.2,(33.2)	(11),16,17	X,Y	10,12
	18,22,(22.2),(25)	9,(10),12	13,17		5,(7),8	8,(9),11
	14,16	11				
63WFT9	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6AGENM	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6G7YXA	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6G8MKF	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6JH4YW	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6JRLNC	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

6K3MAB	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6LG3U4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6LGWWH	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6LQEXL	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6TH9RE	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
6WTCAG	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
77277U	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	[9],11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16,[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 4sp - STR Results

77NNCP	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7AHQTA	GlobalFiler™ (STRmix)					
	13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
4sp	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16	11			2	
7FX8ED	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7RFR3V	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7RTN2T	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7ZMTVU	Identifiler®, Investigator® 24plex					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
7ZR9CF	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

8F42L6	GlobalFiler™ (STRmix)					
	15.3,16	20,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2,33.2	16,17	X,Y	10,12
	18,22,25			28.2,37	5,8	8,11
	14,16	11			2	
8FYL7J	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8PNA48	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8PQZCB	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8R8BU8	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8RCL3C	Investigator® 24plex QS (STRmix v2.4)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
8TPEXE	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

8W29LJ	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
92PEEC	PowerPlex® Fusion 5C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
96KP4Z	PowerPlex® Fusion (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
9BD74P	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9JNRPX	PowerPlex® 17ESX Fast					
	15.3,16	22,24	13,14	17,18		
4sp		12,13	13,17	21,24		11,12
	12,15	13,16	30,32.2	16,17	X,Y	
	18,22			28.2,37	5,8	
	14,16					
9LD2XE	Identifiler® Plus (DNA VIEW ver37.33)					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
9PNKMG	GlobalFiler™					
	15.3,16	18,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

9PNRL3	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9QYMAF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9R2GQR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9VTCYY	PowerPlex® PP21 (STRmix)					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					
A4K969	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
A68UHC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AB997Y	GlobalFiler™ (STRmix v 2.4.06)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

ACVEW6	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
AHYLB9	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ALWVKA	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
AMM7B3	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AMV3R9	Investigator® 24plex QS (TrueAllele)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
AUR6QE	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
AW9VHW	PowerPlex® 21					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22,[22.2]	9,12	13,17		5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

B22QAM	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
B932M7	GlobalFiler™ (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
B943A6	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
B9JENN	GlobalFiler™					
	13,15,3,16,18	18,20,22,24	11,3,13,14	15,16,17,18	12,13	
4sp	7,8,10	10,12,13	13,16,17	17,3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32,2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,11
	14,16,17	11			2	
BB9R88	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
BC3E3J	GlobalFiler™					
	15,3,16	[20],22,24	13,14	17,18	12,13	
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
BHN7DJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

BN26X4	GlobalFiler™ (STRmix)						
		13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	4sp	8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25			18,21.2,28.2,37	5,7,8	8,9,11
	14,16,17	11			2		
BRXQGE	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
BXHV8U	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
BZ86EA	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
C7GGJ3	GlobalFiler™						
		15.3,16,[18],[--]	[18],[20],22,24	13,14,[--]	[16],17,18,[--]	12,13	
	4sp	8,10,[--]	12,13,[10]	13,[16],17	[17.3],21,24,[--]	8,12	11,12,[--]
		12,15,[20]	13,[14],16,[--]	[29],30,32.2,[33.2]	16,17,[--]	X,Y	10,12
		18,22,[--]			28.2,37,[--]	5,[6],8,[--]	8,11,[--]
	14,16,[--]	11			2		
C8RDVY	PowerPlex® Fusion 6C (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18			
C9M2AN	GlobalFiler™						
		15.3,16	22,24	[11.3],13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2,[33.2]	16,17	X,Y	10,12
		18,22			28.2,[29.2],37	5,8	8,11
	14,16,[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 4sp - STR Results

CATNG2	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	-
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	-	-	28.2,37	5,8	8,11
	14,16	11	-	-	2	
CAUKKP	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CEQ4C4	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	15,17,18	12,13	
4sp	8,10	12,13	13,17	18,21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,7,8	8,11
	14,16	11			2	
CLU6G4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CPTGC4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CRDA2C	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CY8XEC	PowerPlex® Fusion 6C (STR Mix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

CZ8FUD	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
CZR4E9	PowerPlex® Fusion 6C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
D4PVAC	PowerPlex® Fusion 6C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
D7BTD9	PowerPlex® Fusion 6C (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
D9EL2Z	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
DBJAJB	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
DEJDCJ	GlobalFiler™						
		[13],15.3,16,[18]	[18],22,24	13,14	[15],[16],17,18	12,13	
	4sp	8,10	[10],12,13	13,[16],17	[18],21,24	8,12	[9],11,12
		12,15	13,[14],16,[16.2]	[29],30,32.2,[33.2]	[11],16,17	X,Y	10,12
		18,22,[22.2],[25]			[18],[21.2],28.2,37	5,[7],8	8,[9],11
		14,16,[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 4sp - STR Results

DF7MW2	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
DLRGTY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
DPUN33	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
DTBZWX	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
DUMHCX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
E7U3RV	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
E8ZEFJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

E94THY	GlobalFiler™ (STRmix)						
		15.3,16	20,22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,16,17	21,24,25	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
EE3L6Y	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
EGXXBZ	GlobalFiler™ (STRmix)						
		13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	4sp	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,15,16,17	X,Y	10,12
		18,22,22.2,25			18,21.2,28.2,37	5,6,7,8	8,9,11
	14,16,17	11			2		
EHYC2X	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
ELXMWX	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
	14,16	11			2		
ERFKBT	PowerPlex® PP21 (STRMix)						
		15.3,16	22,24		17,18	12,13	13,16
	4sp	8,10	12,13		17.3,21,24	8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
	14,16						
EVUC99	PowerPlex® Fusion 5C (STRmix)						
		15.3,16	[18],22,24	13,14	17,18	12,13	
	4sp	8,10	[10],12,13	13,17	[18],21,24	8,12	11,12
		12,15	13,16,[16.2]	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
	14,16	11					

TABLE 2

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

Item 4sp - STR Results

EZGBC3	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
F9VCDX	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
FT4DTP	PowerPlex® Fusion 6C (STRMix)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
FW7GCP	PowerPlex® 21 (STRmix)						
		15,3,16	22,24		17,18	12,13	13,16
	4sp	8,10	12,13		21,24	8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16					
FXMW34	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
FZ28KW	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
FZ6T9P	PowerPlex® PP21 (STRMIX)						
		15,3,16	22,24		17,18	12,13	13,16
	4sp	8,10	12,13		21,24	8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16					

TABLE 2

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

Item 4sp - STR Results

G6TVHE	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
G6XMZE	PowerPlex® PP21						
		15.3,16	22,24		17,18	12,13	13,16
	4sp	8,10	12,13		21,24	8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16					
G7GAZX	PowerPlex® Fusion 6C (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
GD7TDD	PowerPlex® Fusion 6C (strmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
GE9KBD	GlobalFiler™ (STRmix 2.4.06 for interpretation 4 sp)						
		15.3,16	20,21,22,23,24	12,13,14,15	16,17,18	11,12,13	
	4sp	7,8,9,10	10,11,12,13	12,13,14,16,17	17.3,20,21,22,23,24 ,25	7,8,11,12,13	10,11,12
		11,12,14,15	12,13,15,16	29,30,31,31.2,32.2, 33.2	15,16,17,18	X,Y	9,10,11,12,13
		17,18,21,22			18,28.2,37	4,5,7,8	7,8,10,11
		13,14,15,16	11			2	
GGYV27	Identifiler® Plus						
			22,24		17,18	12,13	
	4sp	8,10	12,13			8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22				5,8	8,11
		14,16					
GHQ34H	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

GK68A9	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
GTDYFW	Investigator® 24plex QS (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11				
GYTREU	GlobalFiler™						
		15.3,16	[18],22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,[14],16,[16.2]	30,32.2	16,17	X,Y	10,12
		18,22,[25]			28.2,37	5,[6,7],8	8,11
		14,16	11			2	
H3KW3Z	PowerPlex® Fusion 6C (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
H3ZFMW	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
H8KLPW	Identifiler® Plus						
			22,24		17,18	12,13	
	4sp	8,10	12,13			8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22				5,8	8,11
		14,16					
H9E8KA	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

HBBLGE	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
HRBVV6	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
HU4A44	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
HUWJ76	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
HXWQR3	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
HZCNXL	PowerPlex® Fusion 6C (STRmix)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
J3ATLQ	PowerPlex® Fusion 5C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16	11				

TABLE 2

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

Item 4sp - STR Results

J4BGAV	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JA7LND	GlobalFiler™					
	[13],15.3,16,[18]	22,24	[11.3],13,14	[15,16],17,18	12,13	
4sp	8,10	10,12,[13]	13,[16],17	21,24	8,12	[9],11,12
	12,15,[20]	13,16	[29],30,32.2	16,17	X,Y	10,12
	18,22,[22.2]			28.2,37	5,[7],8	8,11
	14,16	11			2	
JCXNGZ	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JDUXTP	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JE6V88	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JGRJDZ	PowerPlex® Fusion					
	[13],15.3,16,[18]	[18,20],22,24	[11.3],13,14	[15,16],17,18	12,13	
4sp	[7],8,10	[10],12,13	13,[16],17	[17.3],18,21,24	[8],12	[9],11,12
	12,15,[20]	13,14,16,16.2	[29],30,32.2,[33.2]	[11],16,17	X,[Y]	10,12
	[18],22,[22.2,25]	9,[10],12	13,17,[21]		5,6,7,8	8,[9],11
	14,16,[17]	11				
JJ3JLT	Investigator® 24plex QS (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

JLEBH9	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JQJ4KY	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JTQBA7	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JZYTDX	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
K6BDJA	GlobalFiler™ (STRmix v. 2.4)					
	15,3,16	18,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
K7T4EN	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	15,17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,10,12	13,17	18,28.2,37	5,8	8,9,11
	14,16	11	17	18		
K7YR2R	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

KCRU9Y	PowerPlex® Fusion					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	[16],17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
KHFECE	GlobalFiler™					
	15.3,16	18,(21),22,(23),24,(25)	(12),13,14	(16),17,18	(11),12,13,(14)	
4sp	(7),8,(9),10	(11),12,13	(12),13,(16),17	(20),21,(22),(23),24	(7),8,(11),12	(10),11,12
	(11),12,(14),15	(12),13,(15),16	(29),30,(31.2),32.2,(33.2)	(15),16,17,(18)	X,Y	(9),10,(11),12
	(17),18,(21),22			28.2,37	5,(7),8	8,(10),11
	(13),14,(15),16	11			2	
KKRUB2	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
KLFLXC	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KMY8XU	GlobalFiler™ (STRMIX)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KRFJ7W	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
KVZUFD	GlobalFiler™ (Gene Mapper ID-X 1.5)					
	NEG	NEG	NEG	NEG	NEG	
4sp	NEG	NEG	NEG	NEG	NEG	NEG
	NEG	NEG	NEG	NEG	NEG	NEG
	NEG			NEG	NEG	NEG
	NEG	NEG			NEG	

TABLE 2

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

L8GYCG	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24,[25]	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
LBJTER	GlobalFiler™ (STRmix)						
		15.3,16,18	22,24	11.3,13,14	17,18	12,13	
	4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2,33.2	16,17	X,Y	10,12
		18,22			28.2,37	5,7,8	8,11
		14,16,17	11			2	
LEGARL	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
LNF9Q7	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
LVWTQX	PowerPlex® Fusion 5C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16	11				
LYFNUP	Identifiler® Plus						
			22,24		17,18	12,13	
	4sp	8,10	12,13			8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22				5,8	8,11
		14,16					
LYMTJF	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

MCRFCW	PowerPlex® 21					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					
MEWWKZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MMDJJW	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
MPUZMA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MT8KJH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MXM98Z	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MY43AV	GlobalFiler™ (STRmix)					
	13,15,3,16,18	18,20,22,24	11,3,13,14	15,16,17,18	12,13	
4sp	8,10	10,12,13	13,16,17	17,3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16	29,30,32,2,33,2	11,15,16,17	X,Y	10,12
	18,22,22,2,25			18,21,2,28,2,37	5,7,8	8,9,11
	14,16,17	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 4sp - STR Results

MZAPE8	GlobalFiler™ (STRmix v2.4.06)					
	15.3,16,18	18,21,22,23,24	12,13,14	16,17,18,19	11,12,13,14	
4sp	7,8,9,10	10,11,12,13	12,13,16,17	20,21,22,23,24,25	7,8,11,12	10,11,12,13
	11,12,14,15	12,13,15,16	29,30,31,2,32,2	15,16,17,18	X,Y	9,10,11,12
	17,18,21,22,23			28.2,37	5,7,8	8,10,11
	13,14,15,16	11			2	
N26RMN	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
N7TCKW	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NAJCDE	PowerPlex® Fusion 6C (STRMix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
NCLLWV	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
NGJX29	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NL38X6	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

NW9B7N	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NWCQLA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NWE8BT	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
NXZ2GT	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
P3F38Y	GlobalFiler™					
	15,3,16	22,24	13,14	15,17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15,20	13,16,16.2	30,32.2	16,17	X,Y	10,12
	18,22,25			18,28.2,37	5,8	8,11
	14,16	11			2	
P3UFKA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	11			2	
P4WWBU	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

PA7GTQ	GlobalFiler™					
	[13],15.3,16,[18]	[18],[20],22,24	[11.3],13,14	[15],[16],17,18	12,13	
4sp	[7],8,10	[10],12,13	13,[16],17	21,24	8,12	[9],11,12
	12,15,[20]	13,[14],16,[16.2]	[29],30,32.2,[33.2]	[11],[15],16,17	X,Y	10,12
	18,22,[22.2],[25]			[18],[21.2],28.2,37	5,[6],[7],8	8,[9],11
	14,16,[17]	11			2	
PAR8NW	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PKLL9	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PN6KY3	GlobalFiler™ (STRmix 2.4)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PY82N8	GlobalFiler™ (STRMix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QBZK6Y	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QGQUJH	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

QH2W2V	Identifiler®					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
QJDGAK	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QKQ6CW	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QLZ8WV	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
QMUZUE	PowerPlex® Fusion 5C, Fusion 6C					
	[13],15.3,16,[18]	[18],[20],22,24	[11.3],13,14	[15],[16],17,18	12,13	
4sp	[7],8,10	[10],12,13	13,[16],17	[17.3],[18],21,24	8,12	[9],11,12
	12,15,[20]	13,[14],16,[16.2]	[29],30,32.2,[33.2]	[11],[15],16,17	X,Y	10,12
	18,22,[22.2],[25]	9,[10],12	13,17,[21]	[18],[21.2],28.2,37	5,[6],[7],8	8,[9],11
	14,16,[17]	11	17	18		
QTTRRV	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QVAF6W	Investigator® 24plex QS (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

QWF29N	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QYMKCQ	PowerPlex® Fusion 6C					
	13,15,3,16,18	18,22,24	11,3,13,14	15,16,17,18	12,13	
4sp	8,10	10,12,13	13,16,17	17,3,18,21,24	8,12	11,12
	12,15,20	13,14,16,16.2	30,32.2,33.2	11,16,17	X,Y	10,12
	18,22,25	9,10,12	13,17,21	18,21,2,28,2,37	5,8	8,11
	14,16	11	17	18		
QZWL4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
R3NPMQ	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
R64JXG	GlobalFiler™ (STRmix v2.4.06)					
	15,3,16	18,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	17,3,21,24	8,12	9,11,12
	12,15	13,16	29,30,32,2,33.2	11,16,17	X,Y	10,12
	18,22			18,28,2,37	5,7,8	8,11
	14,16	11			2	
R7PP9G	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
R8WBFU	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

RANZ6G	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RBJVGR	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RCJR7E	PowerPlex® 21 (STRmix)					
	15,3,16	22,24		17,18	12,13	13,16
4sp	8,10	12,13		21,24	8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					
RD7KPB	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RFDK7B	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RG2F24	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RU6ECV	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

RZ4RKU	PowerPlex® Fusion 6C (STRmix)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
T6MHWZ	GlobalFiler™ (STRmix)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
T7JUZZ	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
TAGJXU	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
TB9FJ2	GlobalFiler™ (STRmix)						
		15,3,16	20,21,22,23,24	12,13,14	16,17,18	11,12,13	NT
	4sp	8,10	11,12,13	12,13,16,17	20,21,23,24	8,11,12	10,11,12
		11,12,14,15	12,13,15,16	29,30,31.2,32.2	15,16,17,18	X,Y	9,10,11,12
		17,18,21,22,[23]	NT	NT	28.2,37	5,7,8	8,11
		14,15,16	11	NT	NT	2	
TCJH8L	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
TFN48K	Investigator® 24plex QS (STRmix)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11				

TABLE 2

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

Item 4sp - STR Results

TGM6BQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
TJP6CN	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TKX9QR	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
TLA4EK	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TLDJU7	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TZVBER	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
U69E7U	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

U6RD7D	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
U7FXLG	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
U8M7PU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UB79VF	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
UF2YZQ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UFVMEF	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
ULMUXN	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

UP3JZX	GlobalFiler™ (STRmix V2.4.06)					
	15,3,16	22,24	13,14	17,18	12,13	NT
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22,22.2	NT	NT	28.2,37	5,8	8,11
	14,16	11	NT	NT	2	
UQAF9P	Identifiler® Plus					
		22,24		[15],17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
V4TCVE	PowerPlex® Fusion 5C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
V969UM	Identifiler® Plus (STRmix)					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
VGEX8L	GlobalFiler™					
	13,15,3,16,18	18,20,22,24	11,3,13,14	15,16,17,18	12,13	
4sp	7,8,10	10,12,13	13,16,17	17,3,18,21,24	8,12	9,11,12
	12,15,20	13,14,16,16.2	29,30,32,2,33.2	11,15,16,17	X,Y	10,12
	18,22,22.2,25			18,21,2,28,2,37	5,6,7,8	8,9,11
	14,16,17	11			2	
VHKE4Q	GlobalFiler™					
	[13],15,3,16,[18]	[20],22,24	13,14	[16],17,18	12,13	
4sp	8,10	[10],12,13	13,[16],17	[17.3],[18],21,24	8,12	[9],11,12
	12,15,[20]	13,16	30,32.2,[33.2]	16,17	X,Y	10,12
	18,22			[21.2],28,2,37	5,[7],8	8,11
	14,16	11			2	
VMY3UU	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28,2,37	5,8	8,11
	14,16	11	17	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

VNNF4K	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
VQLNKW	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WDTD2	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VXRMNQ	GlobalFiler™ (STRmix v2.5)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
W7MUZ6	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
W8GHKL	PowerPlex® Fusion 5C					
	[13],[15,3],[16,18]	18,20,22,24	[11,3,13],14	15,16,17,18	12,13	
4sp	[7],8,[10]	[10],12,13	13,16,17	17,3,18,[21],24	[8],12	[9],11,[12]
	12,[15,20]	13,[14],16,[16.2]	29,30,32.2,[33.2]	11,[15],16,17	X,[Y]	10,12
	18,22,22.2,[25]	9,10,12	[13],17,[21]		5,6,7,8	8,[9,11]
	14,16,[17]	11				
WAL9LA	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

WJPHUK	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
WNDN7G	GlobalFiler™ (STRmix on epithelial fraction)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
WU2G89	PowerPlex® 21						
		15,3,16	22,24		17,18	12,13	13,16
	4sp	8,10	12,13		21,24	8,12	11,12
		12,15	13,16	30,32.2		X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16					
WUYTRQ	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
WVARNK	Investigator® 24plex QS (TrueAllele)						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11				
X2VZQQ	GlobalFiler™						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
X3KBFH	PowerPlex® Fusion 6C						
		15,3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	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

X3LBGJ	PowerPlex® Fusion 6C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
X3R8LN	PowerPlex® Fusion 6C (STRmix)						
		14.3,15,15.3,16	21,22,23,24	12,13,14	16,17,18	11,12,13	
	4sp	8,9,10	11,12,13	12,13,16,17	17.3,20,21,23,24	8,11,12	10,11,12
		11,12,14,15	12,13,15,16	29,30,31.2,32.2	15,16,17,18	X,Y	9,10,11,12
		18,21,22	9,12	13,17	27.2,28.2,36,37,38	5,8	8,11
		14,15,16	11	17	18		
X6TLHT	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
XAP2BA	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
XBDLRY	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
XP4ACD	GlobalFiler™ (STRmix)						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
XTYZHP	PowerPlex® Fusion 5C (STRmix)						
		[13],15.3,16,[18]	[18],[20],22,24	13,14	[15],[16],17,18	12,13	
	4sp	8,10	[10],12,13	13,[16],17	[17.3],[18],21,24	8,12	[9],11,[12]
		12,15,[20]	13,[14],16,[16.2]	30,32.2,[33.2]	[11],16,17	X,Y	10,12
		18,22,[25]	9,10,12	13,17,[21]		5,[6],[7],8	8,[9],11
		14,16,[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

XVKYLL	PowerPlex® Fusion 6C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
XWLM9R	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
XYH9UM	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
Y24LMP	PowerPlex® Fusion 5C, Fusion 6C						
		15.3,16,18	22,24	13,14	15,16,17,18	12,13	
	4sp	8,10	12,13	13,16,17	17.3,18,21,24	8,12	11,12
		12,15	13,16	30,32.2,33.2	16,17	X,Y	10,12
		18,22,25	9,10,12	13,17	28.2,37	5,8	8,11
		14,16	11	17	18		
Y9PAWE	GlobalFiler™						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	[8],12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22			28.2,37	5,8	8,11
		14,16	11			2	
Y9ZGM9	GlobalFiler™ (STRmix)						
		13,15.3,16,18	18,20,22,24	11.3,13,14	15,16,17,18	12,13	
	4sp	7,8,10	10,12,13	13,16,17	17.3,18,21,24	8,12	9,11,12
		12,15,20	13,14,16,16.2	29,30,32.2,33.2	11,16,17	X,Y	10,12
		18,22			18,21.2,28.2,37	5,6,7,8	8,9,11
		14,16	11			2	
YAXQGQ	PowerPlex® Fusion 5C						
		15.3,16	22,24	13,14	17,18	12,13	
	4sp	8,10	12,13	13,17	21,24	8,12	11,12
		12,15	13,16	30,32.2	16,17	X,Y	10,12
		18,22	9,12	13,17		5,8	8,11
		14,16	11				

TABLE 2

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

Item 4sp - STR Results

YCCXLL	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
YF9QBA	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.3,37	5,8	8,11
	14,16	11			2	
YJHVQB	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
YLQ7ME	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
YRTJ2P	GlobalFiler™					
	[13],15.3,16,[18]	[18],[20],22,24	[11.3],13,14	[15],[16],17,18	12,13	
4sp	[7],8,10	12,13	13,[16],17	[18],21,24	8,12	[9],11,12
	12,15	13,16	[29],30,32.2,[33.2]	[15],16,17	X,Y	10,12
	18,22,[25]			[18],[21.2],28.2,37	5,[6],[7],8	8,11
	14,16	11			2	
YY723J	Identifiler® Plus, MiniFiler					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
ZD2V3Q	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	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

ZDRZ4X	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,14	30,32.2		X,Y	10,10
	18,22				5,8	8,11
	14,16					
ZDX9KD	Investigator® 24plex qs (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
ZFLKJ	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ZLBXNR	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	NT
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18	NT	
ZPLGTY	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ZRBP2E	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZRV7GG	GlobalFiler™ (STRmix)					
	13,15.3,16	18,22,24	13,14	15,17,18	12,13	
4sp	8,10	10,12,13	13,16,17	18,21,24	8,12	11,12
	12,15	13,14,16	29,30,32.2	11,16,17	X,Y	10,12
	18,22			28.2,37	5,6,7,8	8,11
	14,16,17	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 4sp - STR Results

ZU669H	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZYY9P4	PowerPlex® Fusion 5C, Fusion 6C					
	[13],15,3,16	[20],22,24	13,14	[15],[16],17,18	12,13	
4sp	8,10	[10],12,13	13,17	[18],21,24	8,12	[9],11,12
	12,15,[20]	13,[14],16,[16.2]	30,32.2	[11],16,17	X,Y	10,12
	18,22,[22.2],[25]	9,[10],12	13,17	28.2,37	5,[7],8	8,11
	14,16	11	17	18		
ZZ6VUF	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		

YSTR Amplification Kit(s) & Results

TABLE 3

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

Item 1 - YSTR Results

369GYN	Yfiler™ Plus								
1	[REDACTED]								
7RFR3V	Yfiler™ Plus								
1	[REDACTED]								
B22QAM	PowerPlex® Y 23								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
FXMW34	Yfiler™ Plus								
1	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
GLA2GC	PowerPlex® Y 23								
1	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
MMDJJW	PowerPlex® Y								
1	[REDACTED]								
PGYGK7	Yfiler™								
1	[REDACTED]								
RZ4RKU	PowerPlex® Y 23								
1	[REDACTED]								
TB9FJ2	Yfiler™ Plus								
1	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NT	NR	NR	NR	NR	NT	NR
TLDJU7	Yfiler™ Plus								
1	[REDACTED]								
VHKE4Q	Yfiler™ Plus								
1	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

TABLE 3

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

Item 1 - YSTR Results

VKUEBY	Yfiler™									
1										
VNNF4K	PowerPlex® Y 23									
1										
WJPHUK	PowerPlex® Y 23									
1										
ZCN7WT	Yfiler™									
1										

TABLE 3

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

Item 2 - YSTR Results

26CGMJ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2877D8	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2CLVGG	Yfiler™ Plus								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
2LQKG7	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2ML9TA	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2VQF9A	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2W7PAN	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
2XFLMZ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2XYNGU	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
369GYN	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
39HBGM	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

3HWJHG	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
43RANN	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
44DFBC	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
47NVD6	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4FY7WH	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4GW3F4	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
4JABEJ	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
4LCB43	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4X8JRC	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
63WFT9	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
6G7YXA	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

6WTCAG	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
77277U	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
7FX8ED	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
7RFR3V	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
7ZMTVU	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
						23		12	
8FYL7J	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
8PNA48	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
8PQZCB	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
92PEEC	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
96GAQZ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
9BD74P	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

9JNRPX	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
9LD2XE	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
9PNKMG	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
9QYMAF	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
9VTCYY	Yfiler™ Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
A4K969	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
AHYLB9	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
AJKFQ9	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
ALWVKA	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
AMV3R9	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
APL4XW	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

AUR6QE	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
B22QAM	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
B9JENN	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
BB9R88	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
BXHV8U	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
C7GGJ3	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
C9M2AN	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
CATNG2	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	-	18	18	23	23	-	12
CAUKKP	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
CLU6G4	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
CPTGC4	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

CRDA2C	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
CZR4E9	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
D4PVAC	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
D9EL2Z	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
DBJAJB	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
DPUN33	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
EVUC99	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
FBQ9QP	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
FXMW34	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
FZ6T9P	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
G6TVHE	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

G6XMZE	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
GE9KBD	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
GGYV27	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
GK68A9	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
GLA2GC	PowerPlex® Y 23								
2	--	13	11,14	13	29	24	10	13	13
	16	12	12	19	--	--	17	--	22
	--	13	13	18	18	--	23	10	12
H8KLPW	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HBBLGE	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
HNTFKD	PowerPlex® Y 23 System								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HRBVV6	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
HU4A44	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HXWQR3	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

J3ATLQ	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JCXNGZ	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JDUXTP	Yfiler™ Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
JE6V88	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JGRJDZ	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JLEBH9	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JQJ4KY	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JTQBA7	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JZYTDX	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
KCRU9Y	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
KHFECE	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

KKRUB2	PowerPlex® Y 23									
	2		13	11,14	13	29	24	10	13	13
		16	12	12	19	15	17		22	
		13	13	18	18		23	10	12	
KRFJ7W	PowerPlex® Y 23									
	2		13	11,14	13	29	24	10	13	13
		16	12	12	19	15	17		22	
		13	13	18	18		23	10	12	
KVZUFD	Yfiler™ Plus									
	2	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
		37	13		18	18	23	23		12
L8GYCG	Yfiler™ Plus									
	2	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
		37	13		18	18	23	23		12
LRY942	PowerPlex® Y 23									
	2		13	11,14	13	29	24	10	13	13
		16	12	12	19	15	17		22	
		13	13	18	18		23	10	12	
LVWTQX	Yfiler™									
	2		13	NR	13	NR	24	10	13	13
		16	NR	NR	19		15	17		
							NR		12	
LWQFLA	Yfiler™ Plus, PowerPlex® Y 23									
	2	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
		37	13	13	18	18	23	23	10	12
LYFNUP	Yfiler™									
	2		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		
							23		12	
LYMTJF	Yfiler™ Plus									
	2	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
		37	13		18	18	23	23		12
MCRFCW	Yfiler™									
	2		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		
							23		12	
MEWWWKZ	Yfiler™ Plus									
	2	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
		37	13		18	18	23	23		12

TABLE 3

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

Item 2 - YSTR Results

MMDJJW	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
MPUZMA	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
MXM98Z	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
N7TCKW	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NCLLWV	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
NGJX29	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NL38X6	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
NW9B7N	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NWCQLA	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NWE8BT	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
		13	13	18	18	23	10	12	
NXZ2GT	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17			
						23		12	

TABLE 3

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

Item 2 - YSTR Results

P3F38Y	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
P3UFKA	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
P4WWBU	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
PA7GTQ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
PGYGK7	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
PKLL9	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
QGQUJH	Yfiler™ YFP								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
QJDGAK	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
QKQ6CW	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
QTTRV	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
QWF29N	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

QYMKCQ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
R7PP9G	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
R8WBFU	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
RANZ6G	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
RFDK7B	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
RG2F24	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
RZ4RKU	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
T7JUZV	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
TAGJXU	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TB9FJ2	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	NT	18	18	23	23	NT	12
TCJH8L	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

TGM6BQ	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TKX9QR	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TLA4EK	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
TLDJU7	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
U69E7U	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
U7FXLG	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
UF2YZQ	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
UFVMEF	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
UUM886	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
V969UM	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
VGEX8L	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

VHKE4Q	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
VKUEBY	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
VMY3UU	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
VNNF4K	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
VQLNKW	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
WDTD2	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
W7MUZ6	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
W8GHKL	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
W9J9XB	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
WAL9LA	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
WJPHUK	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 2 - YSTR Results

WU2G89	Yfiler™								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
WUYTRQ	PowerPlex® Y 23								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
WVARNK	Yfiler™								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
X2VZQQ	Yfiler™ Plus								
	2	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
X3KBFH	PowerPlex® Y 23								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
X6TLHT	Yfiler™ Plus								
	2	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
XTYZHP	PowerPlex® Y 23								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
XVKYLL	PowerPlex® Y 23								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		
XWLM9R	Yfiler™ Plus								
	2	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
XYH9UM	Yfiler™								
	2	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
Y24LMP	PowerPlex® Y 23								
	2	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	22		

TABLE 3

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

Item 2 - YSTR Results

YCCXLL	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
YJHVQB	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
YLQ7ME	PowerPlex® Y 23								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
YRTJ2P	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
YY723J	Yfiler™ Plus								
2	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
ZCN7WT	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
ZD2V3Q	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
ZFLKJ	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
ZLBNR	Yfiler™								
2	NT	13	11,14	13	29	24	10	13	13
	16	12	12	19	NT	15	17	NT	NT
	NT	NT	NT	NT	NT	NT	23	NT	12
ZU669H	Yfiler™								
2		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12

TABLE 3

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

Item 3 - YSTR Results

26CGMJ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2877D8	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2CLVGG	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
2LQKG7	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2ML9TA	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2W7PAN	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		12
							23		12
2XFLMZ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
2XYNGU	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
369GYN	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
39HBGM	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
3HWJHG	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

43RANN	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
44DFBC	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
47NVD6	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4FY7WH	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4GW3F4	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
4JABEJ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
4LCB43	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
4X8JRC	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
63WFT9	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
6G7YXA	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
6WTCAG	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 3 - YSTR Results

77277U	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
7FX8ED	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
7RFR3V	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
7ZMTVU	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
8FYL7J	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
8PNA48	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
8PQZCB	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
92PEEC	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
96GAQZ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
9BD74P	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
9JNRPX	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 3 - YSTR Results

9LD2XE	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
9QYMAF	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
9VTCYY	Yfiler™ Yfiler™ Plus								
	3	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
A4K969	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
AHYLB9	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	10	22
	13	13	18	18					12
AJKFQ9	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	10	22
	13	13	18	18					12
ALWVKA	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	10	22
	13	13	18	18					12
AMV3R9	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	12	
APL4XW	Yfiler™ Plus								
	3	35,36	13	11,14	13	29	24	10	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
AUR6QE	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	10	22
	13	13	18	18					12
B22QAM	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	16	12	12	19	15	17	23	10	22
	13	13	18	18					12

TABLE 3

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

Item 3 - YSTR Results

B9JENN	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
BB9R88	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
BXHV8U	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
C7GGJ3	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
C9M2AN	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
CATNG2	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	-	18	18	23	23	-	12
CAUKKP	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
CLU6G4	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
CPTGC4	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
CRDA2C	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
CZR4E9	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 3 - YSTR Results

D4PVAC	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
D9EL2Z	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
DBJAJB	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
DPUN33	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
EVUC99	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
FBQ9QP	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
FXMW34	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
FZ6T9P	Yfiler™								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
G6TVHE	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
GE9KBD	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
GGYV27	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12

TABLE 3

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

Item 3 - YSTR Results

GK68A9	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
GLA2GC	PowerPlex® Y 23								
3	--	13	11,14	13	29	24	10	13	13
	16	12	12	19	--	--	17	--	22
	--	13	13	18	18	--	23	10	12
H8KLPW	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HBBLGE	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
HNTFKD	PowerPlex® Y 23 System								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HRBV6	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
HU4A44	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
HXWQR3	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
J3ATLQ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JCXNGZ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JDUXTP	Yfiler™ Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

JE6V88	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JGRJDZ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JLEBH9	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JQJ4KY	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
JTQBA7	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
JZYTDX	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
KHFECE	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
KKRUB2	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
KRFJ7W	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
KVZUFD	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
L8GYCG	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

LRY942	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
LVWTQX	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
LWQFLA	Yfiler™ Plus, PowerPlex® Y 23								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	13	18	18	23	23	10	12
LYFNUP	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
LYMTJF	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
MCRFCW	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
MEWWKZ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
MMDJJW	Yfiler™ Plus								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
MPUZMA	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
MXM98Z	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
N7TCKW	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

NCLLWV	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
NGJX29	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NL38X6	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
NW9B7N	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NWCQLA	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
NWE8BT	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
NXZ2GT	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
P3F38Y	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
P3UFKA	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
P4WWBU	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
PA7GTQ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

PKLL9	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		
							23			12
QGQUJH	Yfiler™ YFP									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
QJDGAK	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
QKQ6CW	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
			13	13	18	18	23	10		12
QTTRRV	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
QWF29N	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
			13	13	18	18	23	10		12
QYMKCQ	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
R7PP9G	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		
							23			12
R8WBFU	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
			13	13	18	18	23	10		12
RANZ6G	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		
							23			12
RFDK7B	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12

TABLE 3

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

Item 3 - YSTR Results

RG2F24	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
RZ4RKU	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
T7JUZV	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
TAGJXU	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TB9FJ2	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13	NT	18	18	23	23	NT	12
TCJH8L	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TGM6BQ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TKX9QR	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
TLA4EK	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
TLDJU7	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
U69E7U	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12

TABLE 3

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

Item 3 - YSTR Results

UF2YZQ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
UFVMEF	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
UUM886	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
V969UM	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
VGEX8L	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
VHKE4Q	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
VMY3UU	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
VNNF4K	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
VQLNKW	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
WDTD2	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
W7MUZ6	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12

TABLE 3

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

Item 3 - YSTR Results

W8GHKL	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
W9J9XB	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
WAL9LA	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
WU2G89	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
WUYTRQ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
WVARNK	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
							23		12
X2VZQQ	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
X3KBFH	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
X6TLHT	Yfiler™ Plus								
3	35,36	13	11,14	13	29	24	10	13	13
	16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23		12
XTYZHP	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
XVKYLL	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 3 - YSTR Results

XWLM9R	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
XYH9UM	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
Y24LMP	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
		13	13	18	18		23	10		12
YCCXLL	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
YJHVQB	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
							23			12
YLQ7ME	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
		13	13	18	18		23	10		12
YRTJ2P	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
YY723J	Yfiler™ Plus									
	3	35,36	13	11,14	13	29	24	10	13	13
		16	12	12	19	29	15	17	12	22
	37	13		18	18	23	23			12
ZD2V3Q	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
							23			12
ZFLKKJ	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		16	12	12	19		15	17		22
							23			12
ZLBNR	Yfiler™									
	3	NT	13	11,14	13	29	24	10	13	13
		16	12	12	19	NT	15	17	NT	NT
	NT	NT	NT	NT	NT	NT	23	NT		12

TABLE 3

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

Item 3 - YSTR Results

ZU669H	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12

TABLE 3

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

Item 3e - YSTR Results

9PNKMG	Yfiler™								
3e		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		
							23		12
G6XMZE	PowerPlex® Y 23								
3e		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12
WJPHUK	PowerPlex® Y 23								
3e		13	11,14	13	29	24	10	13	13
	16	12	12	19		15	17		22
		13	13	18	18		23	10	12

TABLE 3

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

Item 3sp - YSTR Results

9PNKMG	Yfiler™								
3sp		NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT		NT	NT		NT
							NT		NT

G6XMZE	PowerPlex® Y 23								
3sp	[Redacted]								

WJPHUK	PowerPlex® Y 23								
3sp	[Redacted]								

TABLE 3

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

Item 4 - YSTR Results

2877D8	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2LQKG7	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
96GAQZ	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
9JNRPX	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
AJKFQ9	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
APL4XW	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
BXHV8U	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FBQ9QP	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
GLA2GC	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
		15	12	13	18	--	17		22
		12	13	17	18		25	10	11
HNTFKD	PowerPlex® Y 23 System								
4		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
LRY942	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4 - YSTR Results

LWQFLA	Yfiler™ Plus, PowerPlex® Y 23								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	13	17	18	22	25	10	11
MMDJJW	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
QH2W2V	Yfiler™								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
UUM886	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
W9J9XB	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

26CGMJ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2CLVGG	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
2ML9TA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2VQF9A	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
2W7PAN	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
2XFLMZ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
2XYNGU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
369GYN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
39HBGM	PowerPlex® Y 23								
4e									
3HWJHG	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
43RANN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

44DFBC	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
47NVD6	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4FY7WH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4GW3F4	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
4JABEJ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
4LCB43	Yfiler™ Plus								
4e									
4X8JRC	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
63WFT9	Yfiler™ Plus								
4e									
6G7YXA	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
6WTCAG	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
77277U	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

7FX8ED	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7RFR3V	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
7ZMTVU	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
8FYL7J	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8PNA48	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8PQZCB	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
92PEEC	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
9BD74P	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
9LD2XE	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
9PNKMG	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
9QYMAF	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

9VTCYY	Yfiler™ Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
A4K969	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
AHYLB9	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ALWVKA	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
AMV3R9	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
AUR6QE	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
B22QAM	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
B9JENN	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
BB9R88	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
C7GGJ3	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
C9M2AN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

CATNG2	Yfiler™ Plus								
4e	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
CAUKKP	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
CLU6G4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CPTGC4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CRDA2C	Yfiler™								
4e									
CZR4E9	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
D4PVAC	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
D9EL2Z	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DBJAJB	Yfiler™								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DPUN33	PowerPlex® Y 23								
4e									
EVUC99	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

FXMW34	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FZ6T9P	Yfiler™								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G6TVHE	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G6XMZE	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		22
		12	13	17	18		25	10	11
GE9KBD	Yfiler™ Plus								
4e	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
	not tested	not tested		not tested	not tested	not tested	not tested		not tested
GGYV27	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		
							25		11
GK68A9	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
H8KLPW	PowerPlex® Y 23								
4e									
HBBLGE	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HRBV6	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		
							25		11
HU4A44	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

HXWQR3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JCXNGZ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
JDUXTP	Yfiler™ Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JE6V88	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
JGRJDZ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
JLEBH9	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
JQJ4KY	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
JTQBA7	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
JZYTDX	PowerPlex® Y 23								
4e									
KHFECE	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KKRUB2	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

KRFJ7W	PowerPlex® Y 23								
4e									
KVZUFD	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
L8GYCG	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
LVWTQX	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
LYFNUP	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
LYMTJF	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MCRFCW	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
MEWWKZ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MPUZMA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MXM98Z	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
N7TCKW	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

NCLLWV	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
NGJX29	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
NL38X6	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
NWCQLA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
NWE8BT	PowerPlex® Y 23								
4e									
NXZ2GT	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
P3F38Y	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
P3UFKA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
P4WWBU	PowerPlex® Y 23								
4e									
PA7GTQ	Yfiler™ Plus								
4e									
PKLL9	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

QGQUJH	Yfiler™ YFP								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QKQ6CW	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
QLZ8WV	Yfiler™ Plus								
4e									
QTTRRV	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QWF29N	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
QYMKCQ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
R7PP9G	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
R8WBFU	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
RANZ6G	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
RFDK7B	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
RG2F24	Yfiler™								
4e									

TABLE 3

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

Item 4e - YSTR Results

RZ4RKU	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
T7JUZV	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TAGJXU	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TB9FJ2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12	NT	17	18	22	25	NT	11
TCJH8L	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TGM6BQ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TKX9QR	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TLDJU7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
U69E7U	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
U7FXLG	Yfiler™ Plus								
4e									
UF2YZQ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

UFVMEF	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
V969UM	PowerPlex® Y 23								
4e									
VGEX8L	PowerPlex® Y 23								
4e									
VHKE4Q	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
VMY3UU	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VNNF4K	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VQLNKW	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WDTD2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
W7MUZ6	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WAL9LA	PowerPlex® Y 23								
4e									
WJPHUK	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

WU2G89	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WUYTRQ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
X2VZQQ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
X3KBFH	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
X6TLHT	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
XTYZHP	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
XVKYLL	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
XWLM9R	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
XYH9UM	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
Y24LMP	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YCCXLL	Yfiler™ Plus								
4e									

TABLE 3

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

Item 4e - YSTR Results

YJHVQB 4e	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
YLQ7ME 4e	PowerPlex® Y 23								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YRTJ2P 4e	Yfiler™ Plus								
	35,37	15	11,14	12	28		11	13	13
	15	12	13	18		16	17	11	22
	37	12		17	18	22	25		11
YY723J 4e	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ZD2V3Q 4e	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
ZFLKJ 4e	Yfiler™								
			11,14	12		23	11	13	13
	15	12		18		16	17		
							25		
ZLBXNR 4e	Yfiler™								
	NT	15	11,14	12	28	23	11	13	13
	15	12	13	18	NT	16	17	NT	NT
	NT	NT	NT	NT	NT	NT	25	NT	11
ZU669H 4e	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4sp - YSTR Results

26CGMJ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2CLVGG	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
2ML9TA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2VQF9A	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2W7PAN	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
2XFLMZ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2XYNGU	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
369GYN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
39HBGM	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
3HWJHG	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
43RANN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

44DFBC	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
47NVD6	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4FY7WH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4GW3F4	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
4JABEJ	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
4LCB43	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4X8JRC	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
63WFT9	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
6G7YXA	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
6WTCAG	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
77277U	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

7FX8ED	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
7RFR3V	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
7ZMTVU	Yfiler™								
4sp									
8FYL7J	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8PNA48	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	[15],17	11	22
	37	12		17	18	22	25		11
8PQZCB	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
92PEEC	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
9BD74P	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
9LD2XE	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
9PNKMG	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
9QYMAF	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11

TABLE 3

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

Item 4sp - YSTR Results

9VTCYY	Yfiler™ Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
A4K969	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
AHYLB9	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ALWVKA	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
AMV3R9	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
AUR6QE	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
B22QAM	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
B9JENN	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
BB9R88	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
C7GGJ3	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
C9M2AN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

CATNG2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	-	17	18	22	25	-	11
CAUKKP	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
CLU6G4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CPTGC4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CRDA2C	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
CZR4E9	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
D4PVAC	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
D9EL2Z	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DBJAJB	Yfiler™								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DPUN33	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
EVUC99	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

FXMW34	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FZ6T9P	Yfiler™								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G6TVHE	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G6XMZE	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		22
		12	13	17	18		25	10	11
GE9KBD	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
GGYV27	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		
							25		11
GK68A9	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
H8KLPW	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		22
		12	13	17	18		25	10	11
HBBLGE	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HRBVV6	Yfiler™								
4sp									
HU4A44	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
		15	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

HXWQR3	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
JCXNGZ	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11
JDUXTP	Yfiler™ Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
JE6V88	Yfiler™									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		
							25			11
JGRJDZ	PowerPlex® Y 23									
	4sp		15	[11],14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11
JLEBH9	Yfiler™									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		
							25			11
JQJ4KY	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11
JTQBA7	Yfiler™									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		
							25			11
JZYTDX	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11
KHFECE	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
KKRUB2	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11

TABLE 3

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

Item 4sp - YSTR Results

KRFJ7W	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
KVZUFD	Yfiler™ Plus								
4sp	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
	NEG	NEG	NEG	NEG	NEG	NEG	NEG		NEG
L8GYCG	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
LVWTQX	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
LYFNUP	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
LYMTJF	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MCRFCW	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
MEWWKZ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MPUZMA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MXM98Z	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
N7TCKW	Yfiler™ Plus								
4sp	35,37	15	11	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

NCLLWV	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
NGJX29	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
NL38X6	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
NWCQLA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
NWE8BT	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
NXZ2GT	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
P3F38Y	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11
P3UFKA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
P4WWBU	PowerPlex® Y 23								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25	10	22
		12	13	17	18				11
PA7GTQ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PKLL9	Yfiler™								
4sp	15	12	11,14	12	28	23	11	13	13
	15	12	13	18	16	17	25		11

TABLE 3

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

Item 4sp - YSTR Results

QGQUJH	Yfiler™ YFP								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QKQ6CW	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
QLZ8WV	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QTTRRV	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QWF29N	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
QYMKCQ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
R7PP9G	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
R8WBFU	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
RANZ6G	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
RFDK7B	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
RG2F24	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4sp - YSTR Results

RZ4RKU	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
T7JUZV	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TAGJXU	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TB9FJ2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12	NT	17	18	22	25	NT	11
TCJH8L	PowerPlex® Y 23								
4sp									
TGM6BQ	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TKX9QR	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
TLDJU7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
U69E7U	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
U7FXLG	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
UF2YZQ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

UFVMEF	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
V969UM	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VGEX8L	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VHKE4Q	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
VMY3UU	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VNNF4K	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	16,4,18		16	17		22
		12	13	17	18		25	10	11
VQLNKW	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WDTD2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
W7MUZ6	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WAL9LA	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
WJPHUK	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

WU2G89	Yfiler™									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		11
							25			
WUYTRQ	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10	11	
X2VZQQ	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11	
X3KBFH	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10	11	
X6TLHT	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11	
XTYZHP	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10	11	
XVKYLL	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10	11	
XWLM9R	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11	
XYH9UM	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11	
Y24LMP	PowerPlex® Y 23									
	4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10	11	
YCCXLL	Yfiler™ Plus									
	4sp	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11	

TABLE 3

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

Item 4sp - YSTR Results

YJHVQB 4sp	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
YLQ7ME 4sp	PowerPlex® Y 23								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YRTJ2P 4sp	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YY723J 4sp	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ZD2V3Q 4sp	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
ZFLKKJ 4sp	Yfiler™								
[Redacted]									
ZLBXNR 4sp	Yfiler™								
	NT	15	11,14	12	28	23	11	13	13
	15	12	13	18	NT	16	17	NT	NT
	NT	NT	NT	NT	NT	NT	25	NT	11
ZU669H 4sp	Yfiler™								
		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 4e	Item 4sp
QS1	7ZR9CF	Q	Q	Q	Q	Q
	JJ3JLT	Q	Q	Q	Q	Q
QS2	7ZR9CF	S	S	S	S	S
	JJ3JLT	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)		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
26CGMJ	Yes	Yes	Yes	No	44DFBC	Yes	Yes	Yes	No
2877D8	Yes	Yes	Yes	No	44L4BK	Yes	Yes	Yes	No
2CLVGG	Yes	Yes	Yes	No	4674XE	Yes	Yes	Yes	No
2J3BF7	Yes	Yes	Yes	No	47NVD6	Yes	Yes	Yes	No
2JFZAH					4FY7WH	Yes	Yes	Yes	No
2LQKG7	Yes	Yes	Yes	No	4GW3F4	Yes	Yes	Yes	No
2ML9TA	Yes	Yes	Yes	No	4JABEJ	Yes	Yes	Yes	No
2VQF9A	Yes	Yes	Yes	No	4KZTQP	Yes	Yes	Yes	No
2W7PAN	Yes	Yes	Yes	No	4LCB43	Yes	Yes	Yes	No
2X2DLR	No Interpretations Reported, DNA Analyzed for Database purposes only.				4VRXHJ	Yes	Yes	Yes	No
2X2DND	No Interpretations Reported, DNA Analyzed for Database purposes only.				4X8JRC	Yes	Yes	Yes	No
2X97Y8	Yes	Yes	Yes	No	4Z6NWL	Yes	Yes	Yes	No
2XFLMZ	Yes	Yes	Yes	No	63WFT9	Yes	Yes	Yes	No
2XYNGU	Yes	Yes	Yes	No	6AGENM	Yes	Yes	Yes	No
2YPQZN	Yes	Yes	Yes	No	6G7YXA	Yes	Yes	Yes	No
2YRNCK	Yes	Yes	Yes	No	6G8MKF	Yes	Yes	Yes	No
369GYN	Yes	Yes	Yes	No	6JH4YW	Yes	Yes	Yes	No
39HBGM	Yes	Yes	Yes	No	6JRLNC	Yes	Yes	Yes	No
3BW4R9	Yes	Yes	Yes	No	6K3MAB	Yes	Yes	Yes	No
3HWJHG	Yes	Yes	Yes	No	6LG3U4	Yes	Yes	Yes	No
3L3Y37	Yes	Yes	Yes	No	6LGWWH	Yes	Yes	Yes	No
43RANN	Yes	Yes	Yes	No	6LQEXL	Yes	Yes	Yes	No
					6TH9RE	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
6WTCAG	Yes	Yes	Yes	No	9PNKMG	Yes	Yes	Yes	No
6XHMWN	No Interp	No Interp	No Interp	No Interp	9PNRL3	Yes	Yes	Yes	No
77277U	Yes	Yes	Yes	No	9QYMAF	Yes	Yes	Yes	No
77NNCP	Yes	Yes	Yes	No	9R2GQR	Yes	Yes	Yes	No
7AHQTA	Yes	Yes	Yes	No	9VTCYY	Yes	Yes	Yes	No
7B9RWD					A42KME	No Interp	No Interp	No Interp	No Interp
7FX8ED	Yes	Yes	Yes	No	A4K969	Yes	Yes	Yes	No
7RFR3V	Yes	Yes	Yes	No	A68UHC	Yes	Yes	Yes	No
7RTN2T	Yes	Yes	Yes	No	AB997Y	Yes	Yes	Yes	No
7ZMTVU	Yes	Yes	Yes	No	ACVEW6	Yes	Yes	Yes	No
7ZR9CF	Yes	Yes	Yes	No	AG7LFH				
8F42L6	Yes	Yes	Yes	No	AHYLB9	Yes	Yes	Yes	No
8FYL7J	Yes	Yes	Yes	No	AJKFQ9	Yes	Yes	Yes	No
8PNA48	Yes	Yes	Yes	No	ALWVKA	Yes	Yes	Yes	No
8PQZCB	Yes	Yes	Yes	No	AMM7B3	Yes	Yes	Yes	No
8R8BU8	Yes	Yes	Yes	No	AMV3R9	Yes	Yes	Yes	No
8RCL3C	Yes	Yes	Yes	No	APL4XW	Yes	Yes	Yes	No
8TPEXE	Yes	Yes	Yes	No	AUR6QE	Yes	Yes	Yes	No
8W29LJ	Yes	Yes	Yes	No	AW9VHW	Yes	Yes	Yes	No
92PEEC	Yes	Yes	Yes	No	B22QAM	Yes	Yes	Yes	No
96GAQZ	Yes	Yes	Yes	No	B932M7	Yes	Yes	Yes	No
96KP4Z	Yes	Yes	Yes	No	B943A6	Yes	Yes	Yes	No
9BD74P	Yes	Yes	Yes	No	B9JENN	Yes	Yes	Yes	No
9JNRPX	Yes	Yes	Yes	No	BB9R88	Yes	Yes	Yes	No
9LD2XE	Yes	Yes	Yes	No	BC3E3J	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
BHN7DJ	Yes	Yes	Yes	No	DTBZWX	Yes	Yes	Yes	No
BN26X4	Yes	Yes	Yes	No	DUMHCX	Yes	Yes	Yes	No
BRXQGE	Yes	Yes	Yes	No	E7U3RV	Yes	Yes	Yes	No
BXHV8U	Yes	Yes	Yes	No	E8ZEFJ	Yes	Yes	Yes	No
BZ86EA	Yes	Yes	Yes	No	E94THY	Yes	Yes	Yes	No
C7GGJ3	Yes	Yes	Yes	No	EE3L6Y	Yes	Yes	Yes	No
C8RDVY	Yes	Yes	Yes	No	EGXXBZ	Yes	Yes	Yes	No
C9M2AN	Yes	Yes	Yes	No	EHYC2X	Yes	Yes	Yes	No
CATNG2	Yes	Yes	Yes	No	ELXMWX	Yes	Yes	Yes	No
CAUKKP	Yes	Yes	Yes	No	ERFKBT	Yes	Yes	Yes	No
CEQ4C4	Yes	Yes	Yes	No	EVUC99	Yes	Yes	Yes	No
CLU6G4	Yes	Yes	Yes	No	EZGBC3	Yes	Yes	Yes	No
CPTGC4	Yes	Yes	Yes	No	F9VCDX	Yes	Yes	Yes	No
CRDA2C	Yes	Yes	Yes	No	FBQ9QP	Yes	Yes	Yes	No
CY8XEC	Yes	Yes	Yes	No	FT4DTP	Yes	Yes	Yes	No
CZ8FUD	Yes	Yes	Yes	No	FW7GCP	Yes	Yes	Yes	No
CZR4E9	Yes	Yes	Yes	No	FXMW34	Yes	Yes	Yes	No
D4PVAC	Yes	Yes	Yes	No	FXUPLZ	Yes	Yes	Yes	No
D7BTD9	Yes	Yes	Yes	No	FZ28KW	Yes	Yes	Yes	No
D9EL2Z	Yes	Yes	Yes	No	FZ6T9P	Yes	Yes	Yes	No
DBJAJB	Yes	Yes	Yes	No	G6TVHE	Yes	Yes	Yes	No
DEJDCJ	Yes	Yes	Yes	No	G6XMZE	Yes	Yes	Yes	No
DF7MW2	Yes	Yes	Yes	No	G7GAZX	Yes	Yes	Yes	No
DLRGTY	Yes	Yes	Yes	No	G8QCKV				
DPUN33	Yes	Yes	Yes	No	GD7TDD	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GE9KBD	Yes	Yes	Yes	No	JE6V88	Yes	Yes	Yes	No
GG9JX8					JFGJKR				
GGYV27	Yes	Yes	Yes	No	JGRJDZ	Yes	Yes	Yes	No
GHQ34H	Yes	Yes	Yes	No	JJ3JLT	Yes	Yes	Yes	No
GK68A9	Yes	Yes	Yes	No	JLEBH9	Yes	Yes	Yes	No
GLA2GC	Yes	Yes	Yes	No	JQJ4KY	Yes	Yes	Yes	No
GTDYFW	Yes	Yes	Yes	No	JTQBA7	Yes	Yes	Yes	No
GYTREU	Yes	Yes	Yes	No	JZYTDX	Yes	Yes	Yes	No
H3KW3Z	Yes	Yes	Yes	No	K6BDJA	Yes	Yes	Yes	No
H3ZFMW	Yes	Yes	Yes	No	K7T4EN	Yes	Yes	Yes	No
H8KLPW	Yes	Yes	Yes	No	K7YR2R	Yes	Yes	Yes	No
H9E8KA	Yes	Yes	Yes	No	KCRU9Y	Yes	Yes	Yes	No
HBBLGE	Yes	Yes	Yes	No	KHFECE	Yes	Yes	Yes	No
HNTFKD	Yes	Yes	Yes	No	KKRUB2	Yes	Yes	Yes	No
HRBVV6	Yes	Yes	Yes	No	KLFLXC	Yes	Yes	Yes	No
HU4A44	Yes	Yes	Yes	No	KMWHUW	Yes	Yes	Yes	No
HUWJ76	Yes	Yes	Yes	No	KMY8XU	Yes	Yes	Yes	No
HXWQR3	Yes	Yes	Yes	No	KRFJ7W	Yes	Yes	Yes	No
HZCNXL	Yes	Yes	Yes	No	KVZUFD	Yes	Yes	Yes	No
J3ATLQ	Yes	Yes	Yes	No	KZXDKX	Yes	Yes	Yes	No
J4BGAV	Yes	Yes	Yes	No	L8GYCG	Yes	Yes	Yes	No
JA7LND	Yes	Yes	Yes	No	LBJTER	Yes	Yes	Yes	No
JBTU7A	No Interpretations Reported, DNA Analyzed for Database purposes only.				LEGARL	Yes	Yes	Yes	No
JCXNGZ	Yes	Yes	Yes	No	LN9Q7	Yes	Yes	Yes	No
JDUXTP	Yes	Yes	Yes	No	LRY942	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LVWTQX	Yes	Yes	Yes	No	PA7GTQ	Yes	Yes	Yes	No
LWQFLA	Yes	Yes	Yes	No	PAR8NW	Yes	Yes	Yes	No
LYFNUP	Yes	Yes	Yes	No	PGYGK7	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LYMTJF	Yes	Yes	Yes	No	PKLLL9	Yes	Yes	Yes	No
MCRFCW	Yes	Yes	Yes	No	PN6KY3	Yes	Yes	Yes	No
MEWWKZ	Yes	Yes	Yes	No	PXXR63				
MMDJJW	Yes	Yes	Yes	No	PY82N8	Yes	Yes	Yes	No
MPUZMA	Yes	Yes	Yes	No	Q399UH				
MT8KJH	Yes	Yes	Yes	No	QBZK6Y	Yes	Yes	Yes	No
MXM98Z	Yes	Yes	Yes	No	QGQUJH	Yes	Yes	Yes	No
MY43AV	Yes	Yes	Yes	No	QH2W2V	Yes	Yes	Yes	No
MZAPE8	Yes	Yes	Yes	No	QJDGAK	Yes	Yes	Yes	No
N26RMN	Yes	Yes	Yes	No	QKQ6CW	Yes	Yes	Yes	No
N7TCKW	Yes	Yes	Yes	No	QLZ8WV	Yes	Yes	Yes	No
NAJCDE	Yes	Yes	Yes	No	QMUZUE	Yes	Yes	Yes	No
NCLLWV	Yes	Yes	Yes	No	QTTRRV	Yes	Yes	Yes	No
NGJX29	Yes	Yes	Yes	No	QVAF6W	Yes	Yes	Yes	No
NL38X6	Yes	Yes	Yes	No	QVLFEX	Yes	Yes	Yes	No
NW9B7N	Yes	Yes	Yes	No	QWF29N	Yes	Yes	Yes	No
NWCQLA	Yes	Yes	Yes	No	QYMKCQ	Yes	Yes	Yes	No
NWE8BT	Yes	Yes	Yes	No	QZWL4	Yes	Yes	Yes	No
NXZ2GT	Yes	Yes	Yes	No	R3NPMQ	Yes	Yes	Yes	No
P3F38Y	Yes	Yes	Yes	No	R64JXG	Yes	Yes	Yes	No
P3UFKA	Yes	Yes	Yes	No	R7PP9G	Yes	Yes	Yes	No
P4WWBU	Yes	Yes	Yes	No	R8W9QP	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
R8WBFU	Yes	Yes	Yes	No	UB79VF	Yes	Yes	Yes	No
RANZ6G	Yes	Yes	Yes	No	UF2YZQ	Yes	Yes	Yes	No
RBJVGR	Yes	Yes	Yes	No	UFVMEF	Yes	Yes	Yes	No
RCJR7E	Yes	Yes	Yes	No	ULMUXN	Yes	Yes	Yes	No
RD7KPB	Yes	Yes	Yes	No	UP3JZX	Yes	Yes	Yes	No
RFDK7B	Yes	Yes	Yes	No	UQAF9P	Yes	Yes	Yes	No
RG2F24	Yes	Yes	Yes	No	UUM886	Yes	Yes	Yes	No
RU6ECV	Yes	Yes	Yes	No	UZQEM8				
RZ4RKU	Yes	Yes	Yes	No	V4TCVE	Yes	Yes	Yes	No
T6MHWZ	Yes	Yes	Yes	No	V969UM	Yes	Yes	Yes	No
T7JUZZ	Yes	Yes	Yes	No	VGEX8L	Yes	Yes	Yes	No
TAGJXU	Yes	Yes	Yes	No	VG3VEY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TB9FJ2	Yes	Yes	Yes	No	VHKE4Q	Yes	Yes	Yes	No
TCJH8L	Yes	Yes	Yes	No	VKUEBY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TFN48K	Yes	Yes	Yes	No	VMY3UU	Yes	Yes	Yes	No
TGM6BQ	Yes	Yes	Yes	No	VNNF4K	Yes	Yes	Yes	No
TJP6CN	Yes	Yes	Yes	No	VQLNKW	Yes	Yes	Yes	No
TKX9QR	Yes	Yes	Yes	No	WDTD2	Yes	Yes	Yes	No
TLA4EK	Yes	Yes	Yes	No	VXRMNQ	Yes	Yes	Yes	No
TLDJU7	Yes	Yes	Yes	No	W7MUZ6	Yes	Yes	Yes	No
TZVBER	Yes	Yes	Yes	No	W8GHKL	Yes	Yes	Yes	No
U69E7U	Yes	Yes	Yes	No	W9J9XB	Yes	Yes	Yes	No
U6RD7D	Yes	Yes	Yes	No	WAL9LA	Yes	Yes	Yes	No
U7FXLG	Yes	Yes	Yes	No	WJPHUK	Yes	Yes	Yes	No
U8M7PU	Yes	Yes	Yes	No					

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
WNDN7G	Yes	Yes	Yes	No	YY723J	Yes	Yes	Yes	No
WU2G89	Yes	Yes	Yes	No	YZYPQG	Yes	Yes	Yes	No
WUYTRQ	Yes	Yes	Yes	No	ZCN7WT	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WVARNK	Yes	Yes	Yes	No	ZD2V3Q	Yes	Yes	Yes	No
X2VZQQ	Yes	Yes	Yes	No	ZDRZ4X	Yes	Yes	Yes	No
X3KBFH	Yes	Yes	Yes	No	ZDX9KD	Yes	Yes	Yes	No
X3LBGJ	Yes	Yes	Yes	No	ZFLKKJ	Yes	Yes	Yes	No
X3R8LN	Yes	Yes	Yes	No	ZLBXNR	Yes	Yes	Yes	No
X6TLHT	Yes	Yes	Yes	No	ZPLGTY	Yes	Yes	Yes	No
XAP2BA	Yes	Yes	Yes	No	ZRBP2E	Yes	Yes	Yes	No
XBDLRY	Yes	Yes	Yes	No	ZRV7GG	Yes	Yes	Yes	No
XP4ACD	Yes	Yes	Yes	No	ZU669H	Yes	Yes	Yes	No
XTYZHP	Yes	Yes	Yes	No	ZYY9P4	Yes	Yes	Yes	No
XVKYLL	Yes	Yes	Yes	No	ZZ6VUF	Yes	Yes	Yes	No
XWLM9R	Yes	Yes	Yes	No					
XYH9UM	Yes	Yes	Yes	No					
Y24LMP	Yes	Yes	Yes	No					
Y9PAWE	Yes	Yes	Yes	No					
Y9ZGM9	Yes	Yes	Yes	No					
YAXQGG	Yes	Yes	Yes	No					
YCCXLL	Yes	Yes	Yes	No					
YF9QBA	Yes	Yes	Yes	No					
YJHVQB	Yes	Yes	Yes	No					
YLQ7ME	Yes	Yes	Yes	No					
YRTJ2P	Yes	Yes	Yes	No					

DNA Interpretation**Response Summary****Participants reporting DNA results: 333**

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

	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	315	315	315	0
No	0	0	0	315
Inc	0	0	0	0
No Interpretation	2	2	2	2
No Response	9	9	9	9

Participants analyzing DNA for database purposes only: 7

Additional Comments

TABLE 6

WebCode	Additional Comments
2877D8	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.
2LQKG7	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.
2ML9TA	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.
2VQF9A	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. Minor allele 38 at DYS518 for the non-sperm fraction of item 4 was not removed due to departmental protocol. However, this profile is believed to be single source and this allele is possibly elevated forward stutter or another unknown artifact. There is no other indication of a mixture in this profile.
2W7PAN	All Serological testing performed by a member of the Forensic Biology Unit Male Screen testing was performed on items #3 and #4 KM performed by analyst [Name]. Male screen performed by analyst [Name].
2X2DND	Items 1 and 2 were ran with both GlobalFiler and GlobalFiler Express.
2XFLMZ	In the Yfiler Plus typing of the nonsperm fraction of Item 4, an additional peak was detected in bin 38 of DYS518 that could possibly be elevated n+4 stutter. It is being reported because it was detected above this laboratory's n+4 stutter threshold in this sample. NR=No DNA types detected
39HBGM	Y-STR analysis not performed on Epithelial fraction of #B6-4.
44L4BK	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Also when needed: Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
4674XE	Reporting results with stutter filters on
47NVD6	Item 4 had numerous locations with elevated stutter.
4FY7WH	The known samples (items 1 and 2) were tested with Globalfiler and the questioned samples (items 3 and 4) with Identifiler Plus as per laboratory procedure. Comparisons for inclusion and exclusionary purposes were made at the sites in common.
4GW3F4	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 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 AmpFLSTR Identifiler Plus PCR Amplification Kit (in the midst of validating the GlobalFiler Casework Amplification Kit) on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele

TABLE 6

WebCode	Additional Comments
4VRXHJ	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.
4Z6NWL	PowerPlex Y23 sample processing was conducted on the following items: Item 2, 3 and 4. YSTR analysis and interpretation was not conducted. () parenthesis indicate minor alleles in a mixture. N/A = not applicable. 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: 1s = victim standard, 2s = suspect standard, U = unknown. Item 3: 1s2s/1sU. Item 4_Fraction 1: 1sU/UU. Item 4_Fraction 2: 1sU/UU.
63WFT9	Item 4 sperm fraction: Y Filer Plus performed only on the sperm fraction per laboratory protocol.
6G7YXA	For Exhibit 4: AP tests for this exhibit were inconclusive due to the fabric color and due to unexpected color change results.
6JH4YW	NR = No results
6LG3U4	Results and Interpretations Apparent blood was detected on the victim's shirt (Item 3). A mixture of DNA consistent with the victim (Item 1) and a second contributor was obtained. The suspect (Item 2) is included as a possible contributor to this DNA sample. Assuming only two contributors and that the victim is a contributor, the probability of choosing an individual, at random, who could be the second contributor to the DNA mixture is more rare than one in one trillion unrelated individuals. Semen with spermatozoa and apparent blood was detected on the pillowcase (Item 4). A male DNA profile was detected in the sperm fraction of the apparent blood and semen stain. The suspect is eliminated as the source of the DNA. In addition to DNA consistent with the victim, DNA foreign to this individual was detected in the non-sperm fraction of the apparent blood and semen stain. The foreign DNA is consistent with the male DNA profile obtained from the sperm fraction.
6LGWWH	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Also when needed: Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
6LQEXL	Reporting results with stutter filters on.
6TH9RE	Inclusion and exclusion are based on alleles present in the mixture, no mixture resolution or statistical analysis was performed.
6XHMWN	Serology-only proficiency test.
77NNCP	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.

TABLE 6

WebCode	Additional Comments
7ZR9CF	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
8PNA48	The sperm fraction of Item 4 (4 sp) yielded a "15" peak at the DYS458 locus that falls in an n-8 stutter position. This peak was not observed in the epithelial cell fraction of this same item (4 e). This possible n-8 stutter peak was at 10.4% of the parent "17" peak. Since this "15" peak was reproducible, the peak was reported.
8R8BU8	# - indicates that the associated known donor or corresponding profile was subtracted per [Laboratory] policy.
8RCL3C	The probabilistic genotype software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
96GAQZ	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.
9LD2XE	Extraction: Item 3 was extracted using Chelex Extraction while Item 4 was extracted using Chelex Differential Extraction. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA quantitation kit and carried out by 7500 Real-Time PCR. Amplification: Item 1 and Item 2 were amplified using AMPFISTR Identifiler Direct Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using AMPFISTR Identifiler Plus Kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AMPFLSTR YFiler Kit on 9700 GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results.
9PNKMG	Per laboratory policy, both Items 3 and 4 were processed with a differential extraction despite Item 3 testing negative for semen. No male DNA was detected in the quantitation of the sperm fraction from Item 3, so it was not amplified. NT is short for Not Tested.
9PNRL3	Item A-4a E2 alleles in the elevated stutter position were removed at D10S1248 (allele 16), and D12S391 (allele 23).
9QYMAF	Swabs were used to collect a portion of the staining from items 3 and 4, using a -1 designation as 3-1 and 4-1.
9R2GQR	NR = No typing results
A42KME	A qualified Forensic Biologist performed the screening tests. The DNA analyst reviewed and interpreted the male screen results.
AB997Y	Items 1 & 2: 24 cycle amplification. Item 3: elevated n-2 stutter at SE33; profile required additional iterations during deconvolution (MCMC accepts = 5,000,000 and Burn In accepts = 1,000,000); conditioned on victim. Item 4e: Pull-up removed from blue channel, elevated n+4 stutter at D13 and D10 removed; elevated n-4 stutter at SE33 removed. Item 4s: Pull up removed from red and purple channels.
AMM7B3	Reporting with stutter filters on
APL4XW	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.
B22QAM	"- " means no amplification
B932M7	reporting results with stutter filters on
BC3E3J	NR = no DNA typing results obtained for this locus
BHN7DJ	NR = no DNA typing results obtained for this locus
BRXQGE	Reporting results with stutter filters on

TABLE 6

WebCode	Additional Comments
C7GGJ3	[-] Possible additional genetic information may be present. No additional peaks were detected; detected data is below stochastic threshold.
C8RDVY	I used probabilistic genotyping (STRmix) on item 3 (78:22) and the non-sperm fraction of item 4 (85:15).
C9M2AN	The 36 allele reported at SE33 and the 23 allele reported at D12 for Item 4 epithelial fraction are in stutter positions and were not filtered with the laboratory analysis software. Per laboratory protocol, they will be modeled as stutter versus a true minor allele using probabilistic genotyping software. The 29.2 allele reported at SE33 for Item 4 sperm fraction is in a stutter position and was not filtered with the laboratory analysis software. Per laboratory protocol, it will be modeled as stutter versus a true minor allele using probabilistic genotyping software.
CATNG2	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.
CAUKKP	N/R = no result
CPTGC4	NR = No Result
CRDA2C	reporting results with stutter filters on
CY8XEC	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.
CZ8FUD	Reporting results with stutter filters on.
D4PVAC	Serological testing was performed by a Forensic Biologist. Male screen testing was performed by DNA analyst. NR = no results.
DBJAJB	[] for weaker alleles. - for null responses
DF7MW2	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
E8ZEFJ	NR= No Results
EHYC2X	Reporting with stutter filters on.
ELXMWX	Reporting with stutter filters on.
EVUC99	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 proposition for item 3 (1s2s/UU) and item 4 e fraction (1sU/UU). NR=no result.
FT4DTP	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.

TABLE 6

WebCode	Additional Comments
FXUPLZ	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.
FZ6T9P	DNA profile from item 4 (non sperm fraction)- based on our interpretation guidelines is interpreted as a 3 person mixture; however this profile can also be explained as a two person mixture with one elevated stutter
G8QCKV	I was only required to complete the serology portion of this test.
GD7TDD	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Also when needed: Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.
GE9KBD	Item 4 sp Yfiler Plus locus DYS518: the reported 38 allele could be elevated forward stutter. The GlobalFiler STR data (with the exception of SE33 and D1S1656)reported on pages 5 and 6 [Table 2 - STR Amplification Kit(s) & Results, Items 3 & 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the sperm fraction of item 4 include peaks that would have been filtered under a conventional analysis paradigm. Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes.
GG9JX8	Y-Screening: Male DNA was detected on items #3 and #4.
GGYV27	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 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: Amplification of STR (Short Tandem Repeat) genetic loci for Item 1 and Item 2 were carried out using the AmpFISTR Identifiler Direct Amplification Kit and Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit. Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci for Item 2, Item 3 and Item 4 were carried out using the AmpFISTR Y-filer PCR Amplification kit. Electrophoresis: Capillary electrophoresis for Item 1,2,3 and 4 were carried out using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
GLA2GC	Item 3: DNA mixture. 2 contributors: the known female victim and the known male suspect. Item 4: DNA mixture. 2 contributors: the known female victim and an unknown male.
GTDYFW	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.

TABLE 6

WebCode	Additional Comments
HNTFKD	1. The questioned stain marked with "Item 3" revealed the presence of human blood. The results obtained from questioned stain marked with "Item 3" indicate that the genetic material is a mixture i.e. it is derived from at least 2 people (including at least 1 male). The questioned stain may be a mixture genetic material of woman, which the material was taken as female victim marked with "Item 1" and the man, which the material was taken as male suspect marked with "Item 2". 2. The questioned stain marked with "Item 4" revealed the presence of human blood and semen. The results obtained from questioned stain marked with "Item 4" indicate that the genetic material is a mixture i.e. it is derived from at least 2 people (including at least 1 male). The questioned stain may be a mixture genetic material of woman, which the material was taken as female victim marked with "Item 1" and the unknown man.
HRBVV6	Results reported with stutter filters on.
HZCNXL	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.
JDUXTP	The stain from item 4 was extremely difficult to produce a sperm fraction via a differential extraction. This extraction was carried out 3 separate times and the last time the examiner had to take 1/2 of the entire stain in order to have enough DNA to produce a result in the sperm fraction. The stain does not seem to be homogeneous as most of the male DNA was extracting in the non-sperm fraction.
JE6V88	Qualified Forensic Biologists performed all screening tests. The DNA analyst reviewed and interpreted the male screen results. NR = No Results.
JJ3JLT	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
JLEBH9	Item 3 and 4 were PSA tested to determine the extraction method. The serology testing is not part of this proficiency.
JTQBA7	Item #4: sperm neg (CT and SH). Screen for male DNA performed by qualified Forensic Biologist. The DNA analyst reviewed and interpreted the male screen results. NR = no results.
K7YR2R	NR - no result. # - indicates subtraction performed.
KHFECE	NR = No Result. An allele in a parenthesis represents a stutter peak that was included in the STRmix genotype probability distribution (GPD) for that locus. Example: (17),18,(21),22 - At this locus, the 17 and 21 stutter peaks were present in the GPD. The Globalfiler data (with the exception of SE33, D1S1656, Yindel, Amelogenin, and DYS391) reported on pages 5 and 6 [Table 2 - STR Amplification Kit(s) & Results, Items 3 & 4] 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 delabeled 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.
KLFLXC	reporting results with stutter filters on

TABLE 6

WebCode	Additional Comments
KMWHUW	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.
KVZUFD	NEG - means NEGATIVE result.
L8GYCG	The '25' allele reported at D12S391 for Item '4' sperm fraction, the "17" allele at vWA and the "23" allele at D12S391 for Item '4' of the substrate fraction are in an elevated stutter position and was not filtered by the laboratory analysis software. Per laboratory protocol, it would be modeled as stutter versus a true minor allele using probabilistic genotyping software.
LNF9Q7	The GlobalFiler STR data (with the exception of SE33 and D1S1656) reported on pages 5 and 6 [Table 2 - STR Amplification Kit(s) & Results, Items 3 & 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the non-sperm fraction of item 4 include peaks that would have been filtered under a conventional analysis paradigm. This includes: D16S539 (10 allele), CSF1PO (11 allele), & D2S441 (13 allele). Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes.
LYFNUP	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express Kit on ABI Proflex PCR system. Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus PCR Amplification Kit (in the midst of validating the Globalfiler Casework Amplification Kit) on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were also amplified using AmpFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
MCRFCW	NR = Not Reportable
MZAPE8	The GlobalFiler STR data (with the exception of SE33 and D1S1656) reported for the sperm fraction of item 4 are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the sperm fraction of item 4 include peaks that would have been designated as stutter under a conventional analysis paradigm. Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes.
N7TCKW	Item 4 (sp fraction): There is possible dropout observed at locus DYS385. The one allele that was called (11) is just above our analytical/detection threshold of 90rfu (allele 11=109rfu); the sister allele was not called but there is a peak present below our analytical threshold. This possible dropout could be due to the low template value obtained for the sperm fraction. The male template value for Item 4 (sp) was 0.0081 ng/ μ L.

TABLE 6

WebCode	Additional Comments
NAJCDE	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.
NL38X6	Items 3 and 4 were PSA tested to determine the correct extraction method to send the samples through.
NW9B7N	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.
NXZ2GT	Reporting results with stutter filters on.
P3UFKA	For the substrate fraction (F3) of questioned stain 4, allele 38 at SE33 and allele 23 at D12S391 would be modeled as stutter versus true minor alleles using probabilistic genotyping software.
PAR8NW	reporting results with stutter filters on
PY82N8	Reporting with stutter filters on
QBZK6Y	reporting results with stutter filters on
QJDGAK	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.
QVAF6W	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
QYMKCQ	STR data had a lot of higher than normal elevated stutter observed.
R64JXG	Item 3 (Victim's shirt): Edited N-2 at SE33 and N+/-4 at D1S1656. Item 4 (Pillowcase non-sperm fraction): Edited off-ladder pull-up at D16S539, N+4 at D2S441 and FGA, pull-up (OL and 13) at D13S317, and N-4 at SE33. Item 4 (Pillowcase sperm fraction): N-4 at D12S391.
R7PP9G	Fusion 6C results concordant with YFiler results
R8W9QP	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.
RD7KPB	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.

TABLE 6

WebCode	Additional Comments
RG2F24	results reported with stutter filters on. Y-STR testing not performed on epithelial cell fraction of Item 4.
RU6ECV	reporting results with stutter filters on
TB9FJ2	<p>See notes below, numbered 1 through 5. 1. The female victim reference profile was processed using the Yfiler Plus amplification kit, and produced no DNA typing results, as expected. 2. NR = No results, NT = Not tested. 3. The GlobalFiler STR data (with the exception of SE33 and D1S1656) reported on page 6 [Table 2 - STR Amplification Kit(s) & Results, Item 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the sperm and non-sperm fractions of item 4 include peaks that would have been filtered under a conventional analysis paradigm. For the sperm fraction, this includes: D3S1358 (16 allele), vWA (15 allele), D16S539 (10 allele), CSF1PO (9 and 11 alleles), D8S1179 (11 allele), D21S11 (29 and 31.2 alleles), D18S51 (11 and 14 alleles), D2S441 (12 allele), D19S433 (12 and 15 alleles), TH01 (7 allele), FGA (17 and 21 alleles), D22S1045 (15 and 18 alleles), D5S818 (11 allele), D13S317 (11 allele), D10S1248 (12 and 16 alleles), D12S391 (20 and 23 alleles) and D2S1338 (21 and 23 alleles). For the non-sperm fraction, this includes: D16S539 (10 allele), CSF1PO (9 and 11 alleles), D8S1179 (11 allele), D18S51 (11 and 19 alleles), D10S1248 (12 and 15 alleles). Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes. 4. In the Globafiler results on page 6 [Table 2 - STR Amplification Kit(s) & Results, Item 4], the 23 allele detected at the FGA locus for the non-sperm fraction of item 4 is not consistent with carryover from the sperm fraction, however, it is in a stutter position and may in fact be elevated stutter. Therefore, this allele was reported. 5. The same 27-locus Y-STR haplotype plus one additional minor allele was detected in both the sperm and non-sperm fractions of item 4. The minor allele (38 at DYS518) is in the N+4 stutter position, but it is well above the laboratory's cut off for N+4 stutter. Therefore, this allele was reported.</p>
TFN48K	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
TLA4EK	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 suspect or the semen donor from the sperm fraction.
U7FXLG	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.
U8M7PU	analyzing data with stutter filters on
UFVMEF	<p>Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 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 AmpFLSTR Identifiler Plus PCR Amplification Kit (in the midst of validating the GlobalFiler Casework Amplification Kit) on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.</p>

TABLE 6

WebCode	Additional Comments
UP3JZX	a-HuHb = anti-human hemoglobin via Hematrace, NR = No Results, NT = Not Tested. The GlobalFiler STR data (with the exception of SE33 and D1S1656) reported on page 6 [Table 2 - STR Amplification Kit(s) & Results, Item 4] are based upon an interpretation using STRmix, a probabilistic genotyping software program. Because this software may incorporate stutter peaks into the interpretation, STRmix results for the non-sperm fraction of item 4e include peaks that would have been filtered under a conventional analysis paradigm. This includes: VWA (16 allele), D16S539 (10 allele), CSF1PO (9,11 allele), D8S1179 (11 allele), D21S11 (28 allele), D18S51 (11,19 alleles), D2S441 (13 allele), D19S433 (13 allele), D22S1045 (10,14,16 alleles), D5S818 (11 allele), D13S317 (11 allele), D7S820 (10 allele), & D10S1248 (12,15 alleles). Such results are expected to enhance the ability of the analyst to make accurate inclusionary or exclusionary statements. Due to the limitations of the report format, the relative probabilities of the different genotypes cannot be captured. Therefore, this report includes all possible alleles for all interpreted genotypes.
UQAF9P	Item 4e: There were minor alleles consistent with the major donor represented within the sample Item 4sp (likely extraction carry-over from the sperm fraction). Item 4sp: There was one additional low-level allele, at the D3 locus, consistent with the major donor represented within the sample Item 4e (likely extraction carry-over from the Item 4e fraction).
UUM886	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. A likely elevated stutter allele was detected and reproducible upon reamplification in the Y-STR profile for Item 4 at locus DYS518. This 38 allele remained called as a possible peak and reported. The peak was above the laboratory's internally validated stutter threshold and above the highest stutter seen in the vendor's developmental validation.
UZQEM8	Y-screening and serology conducted only. For Item 3, male DNA was detected. For Item 4, male DNA was detected. Saliva testing was not conducted as the laboratory does not perform this type of testing.
VGEX8L	YSTR analysis not conducted on the epithelial fraction for Item 4. Artifact/true alleles observed in: epithelial fraction of item 4 locus D12S391 and sperm/substrate fraction of item 4 locus SE33, not listed in table; after stutter removed rfu is < Analytical threshold and no signs of a 3rd contributor.
VHKE4Q	NR = no result
VMY3UU	All serology tests performed by a Forensic Biology analyst. Inconclusive results obtained for AP test on item #3. Male screen results analyzed by this DNA analyst. NR = No Results.
VNNF4K	The 16.4 allele at locus DYS448 for Profile O4a.S may be an artifact, but meets the laboratory interpretation guidelines as a possible allele.
VXRMNQ	reporting results with stutter filters on
W7MUZ6	NR = no results
W9J9XB	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.
WAL9LA	Item 4 semen analysis results was considered inconclusive, because Acide phosphatase was positive and RSID was negative.
WVARNK	Sample 04-1E (epithelial fraction): a 23 allele was obtained at the D12S391 locus. This allele was unattributable to either the victim or suspect in this case and there was no indication of any contamination present in the sample. It appeared to be a true two person mixture. The allele was also detected by the TrueAllele Casework system. Because of the position the allele was in and its peak height, I could not attribute the 23 allele to being pullup or being a stutter peak. It did not affect any overall conclusions for the evidence in the case and it was reported in results for this proficiency test; however, it may be an artifact of amplification that is yet undocumented by our lab.

TABLE 6

WebCode	Additional Comments
X3R8LN	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.
XTYZHP	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to create a likelihood ratio on the following propositions: Item 3: 1s2s/1sU, Item 4f1 (e):1sU/2U, Item 4f2 (sp): 1sU/2U, NR = No Result.
YCCXLL	Imbalance was observed at DYS385 for item 3. Item 4e was not profiled through the YFiler Plus system
YJHVQB	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: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification kit on QuantStudio 5 Real Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ProFlex PCR System while Item 3 and Item 4 were amplified using AmpFISTR Identifiler Plus STR Kit on 9700 GeneAmp PCR System (in the midst of validation on GlobalFiler Casework). Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmpFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (GlobalFiler Express) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3130xl for Item 2, Item 3 and Item 4. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-Male allele
YY723J	The DNA profiling results obtained from items 3 and 4 were consistent between the Identifiler Plus and MiniFiler DNA kit test results for each sample. For item 2, consistent results were obtained at DYS391 in the GlobalFiler and Y Filer Plus test results.
YZYPQG	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.
ZD2V3Q	NR=tested but No Results. Blood, semen, saliva serology performed by [Name] on similar proficiency used to determine non-differential extraction for #3 and differential extraction for #4. Male Screening performed by [Name].
ZDX9KD	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
ZFLKKJ	This test was not needed for primary testing purposes. Analyst did minimum serology needed to determine how to extract samples. Sample 4 was a problematic sample. It showed signs of premature lysis of sperm fraction, inhibition in YSTR testing, and required larger sampling sizes. YSTR analysis was not needed for this round of testing for this analyst, therefore re-amps that would have been done in a normal casework setting were not performed, and given the low male concentration in the sperm fraction, YSTR analysis was not performed on this fraction. No male quant was obtained from Item 1 and therefore was not processed in Y's.
ZLBXNR	Serological testing and male screening was performed by a qualified member of the Forensic Biology Unit. The DNA analyst reviewed and interpreted the male screen results. Results at DYS391 were concordant for samples amplified with both Fusion 6C and Yfiler. NR = No Results. NT = Not Tested.
ZPLGTY	NR = no DNA typing results obtained for this locus.

TABLE 6

WebCode	Additional Comments
ZRBP2E	# indicates subtraction of the corresponding fraction
ZU669H	Screening tests performed by qualified forensic biologist & samples transferred to DNA analyst for testing per policy. AP test for item #3 was inconclusive due to red/brown color of stain possibly interfering with interpretation of color change. NR = no results. Concordant results generated for #1 and #2 when processed using Fusion 6C direct amplification and standard amplification.
ZZ6VUF	# indicates subtraction of alleles per [Laboratory] policy

-End of Report-
(Appendix may follow)

Test No. 19-5706: Forensic Biology

DATA MUST BE SUBMITTED BY **Dec. 16, 2019, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: D3JJKN

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

Scenario:

Police are investigating the possible sexual assault of a female victim. The victim reported that she had a few friends over for drinks. At the end of the night when only one of her male friends remained, she stated he started making advances towards her. After she turned him down the friend pushed her down onto the couch. He then aggressively removed her clothes and attempted to assault her. She was able to fight him off by scratching him. The suspect then quickly left the victim's apartment. Investigators are submitting stains from the victim's shirt (Item 3) and a pillowcase from a pillow on the couch (Item 4). Also collected were known blood samples from the victim (Item 1) and the 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 victim's shirt (yellow)

Item 4: Questioned stain from pillowcase (blue)

Part I: SCREENING TESTS

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

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

Please use the abbreviations listed in this response key to fill in the Screening Test tables on this tab. This is not an all inclusive list of tests, and should not be used to determine what tests should be performed.

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

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

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

Item 3:

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

Item 4:

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

Part III: DNA INTERPRETATION

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

		<u>Victim (Item 1).</u>		<u>Suspect (Item 2).</u>	
		Item 3	Item 4	Item 3	Item 4
Yes		<input type="radio"/>	<input type="radio"/>	Yes	<input type="radio"/>
No		<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>
Inconclusive		<input type="radio"/>	<input type="radio"/>	Inconclusive	<input type="radio"/>
No Interpretation		<input type="radio"/>	<input type="radio"/>	No Interpretation	<input type="radio"/>

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

Part IV: ADDITIONAL COMMENTS

- Use this section to report comments regarding any part of this test.
- Written conclusions (including statistical information) for DNA analysis are not required.
- Any interpretations based on the results obtained should be indicated in the section above.
- Note: Laboratories submitting their results for accreditation are asked to report any additional information that will assist in the review of their results. This includes an explanation of any deviations from a full completion of the test and/or unique findings such as elevated stutter.

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

- This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)
- This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

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

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

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

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety.

Authorized Contact Person and Title

Laboratory Name

Location (City/State)