



## **Forensic Biology Test No. 20-5703 Summary Report**

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Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 345 participants and are compiled into the following tables:

	<u>Page</u>
<a href="#"><u>Manufacturer's Information</u></a>	<u>2</u>
<a href="#"><u>Summary Comments</u></a>	<u>4</u>
<a href="#"><u>Key to Screening Results</u></a>	<u>5</u>
<a href="#"><u>Table 1: Serology Screening Results</u></a>	<u>6</u>
<a href="#"><u>Table 2: STR Amplification Kit(s) &amp; Results</u></a>	<u>36</u>
<a href="#"><u>Table 3: YSTR Amplification Kit(s) &amp; Results</u></a>	<u>226</u>
<a href="#"><u>Table 4: Additional DNA Results</u></a>	<u>260</u>
<a href="#"><u>Table 5: DNA Interpretations</u></a>	<u>261</u>
<a href="#"><u>Table 6: Additional Comments</u></a>	<u>269</u>
<a href="#"><u>Appendix: Data Sheet</u></a>	

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

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

## **Manufacturer's Information**

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

**SAMPLE PREPARATION:** The stains on Items 1, 2, 3, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Items 1 (75  $\mu$ l) and 4 (50  $\mu$ l) were created using blood collected from the same female donor. Item 2 (75  $\mu$ l) was created using blood collected from a male donor. Item 3 (50  $\mu$ l) was created using a 1:1 mixture of blood from the female donor found in Item 1 and blood from a 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 April 22, 2020 following completion of the verification stage.

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

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

## Manufacturer's Information, continued

### Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	15,17.3	17,20	10,14	16,17	9,12	*
	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17	NM	NM	NM	NM	
2	14,18.3	17,25	10,15	17,18	9,11	*
	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17	2	
3	13,15,17.3	17,19,20	10,11,14	16,17	9,12	*
	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8,8
	14,16,17	10	17	17	2	
4	15,17.3	17,20	10,14	16,17	9,12	*
	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17	NM	NM	NM	NM	

### YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11	13	19	17	21	25	10	12
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12	13	17	17	22	23	10	12

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

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

## **Summary Comments**

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The 20-5703 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 4 were created using blood from the same female donor. Item 2 was created using blood from a male donor. Item 3 was created using a mixture of blood from the Item 1 female donor and blood from a male donor whose known standard was not provided. (See Manufacturer's Information for preparation details)

Data were returned by 345 participants.

### Screening Test Results:

Screening results were returned by a total of 337 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 327 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 139 participants that returned results reported "Negative" results. For the presence of saliva, all 68 participants that returned results reported "Negative" results.

For Item 4, all 327 participants that returned results reported "Positive" for the presence of blood. All of the 141 participants that returned results for semen reported "Negative" results. All of the 67 participants that returned results for saliva reported "Negative" results.

### DNA Analysis Results:

Of the 345 participants that returned results, 317 reported DNA interpretations. Of the twenty-eight participants that did not provide DNA Interpretations, sixteen did not respond, nine stated that the samples were only analyzed for database purposes, and three selected the "No Interpretations" option individually for all Interpretation questions.

For the Item 3 stain, all of the participants that reported interpretations included the victim (Item 1) as a possible contributor. All but one of the participants excluded the suspect (Item 2) as a possible contributor. This participant was inconclusive as to whether the suspect was a contributor to the stain.

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

A total of 156 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. The majority of participants reporting the use of PG software stated in their additional comments that stutter peaks may be included in the DNA results. Of these participants, five reported allelic responses that differed from the consensus/predistribution results for one or more items. The breakdown of inconsistencies is as follows: two reported additional alleles, two reported inconsistent alleles, and one reported inconsistent alleles for one item and additional alleles for another item.

Seven additional participants reported allelic responses that differed from the consensus/predistribution results for one or more items. The breakdown of inconsistencies is as follows: four reported additional alleles, one was missing alleles, and two reported allelic results that differed from the consensus. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

## Key for Screening Tests Used

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

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

# Serology Screening Results

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

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
269H9Y						
Item 3	Pos	KM	Neg	ALS, AP	NT	
Item 4	Pos	KM	Neg	ALS, AP	NT	
29RMQU						
Item 3	Pos	LMG	NT		NT	
Item 4	Pos	LMG	NT		NT	
2BZPQ8						
Item 3	Pos	Hemastix	NT		NT	
Item 4	Pos	Hemastix	NT		NT	
2DGC3Q						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
2FPFYN						
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
2HGEDL						
Item 3	Pos	KM				
Item 4	Pos	KM				
2N629R						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
2UCMZV						
Item 3	Pos	KM, HemaTrace	Neg	AP	NT	
Item 4	Pos	KM, HemaTrace	Neg	AP	NT	
2V233Q						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
33ZPR6						
Item 3	Pos	KM	NT		Neg	Phadebas
Item 4	Pos	KM	NT		Neg	Phadebas
36LT2N						
Item 3	Pos	KM	Neg	AP	NT	
Item 4	Pos	KM	Neg	AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
38CQYU					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
39R69P					
Item 3					Male DNA screen, Pos Y-screen Quant Trio
Item 4					Male DNA screen, Neg Y-screen Quant Trio
3CPQVL					
Item 3	Pos	KM	Neg AP, Micro	Neg	RSID
Item 4	Pos	KM	Neg AP, Micro	Neg	RSID
3FPUPT					
Item 3	Pos	KM, HemaTrace	Neg AP		
Item 4	Pos	KM, HemaTrace	Neg AP		
3M233N					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
3QPATC					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
3TPM74					
Item 3	Pos	Visible, KM	NT	NT	
Item 4	Pos	Visible, KM	NT	NT	
3WTA7M					
Item 3	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg AP, Micro, PSA	Neg	Phadebas
449A6W					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
48VU7U					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
49ZNFZ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
4CNXXD					
Item 3	Pos	KM, HT	NT	NT	
Item 4	Pos	KM, HT	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
4GWGXR					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
4HWCNP					
Item 3	Pos	Phenophthalein	NT	NT	
Item 4	Pos	Phenophthalein	NT	NT	
4LT6DD					
Item 3	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
4W9VFP					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
4ZA2TA					
Item 3	Pos	KM, HemaTrace	Neg ALS, AP, Micro	Neg	RSID
Item 4	Pos	KM, HemaTrace	Neg ALS, AP, Micro	Neg	RSID
4ZCLNP					
Item 3	Pos	pheno	NT	NT	
Item 4	Pos	pheno	NT	NT	
639U4K					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg	Phadebas
63AJCM					
Item 3	Pos	KM	Neg BCIP	NT	
Item 4	Pos	KM	Neg BCIP	NT	
63U8UH					
Item 3	Pos	KM, RSID Blood	NT	NT	Screen for male DNA, Pos NaOH Y screen
Item 4	Pos	KM, RSID Blood	NT	NT	Screen for male DNA, Neg NaOH Y screen
6ANL73					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
6AWCNM					
Item 3	Pos	TMB, HemaTrace			
Item 4	Pos	TMB, HemaTrace			
6GQLRQ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
6JJFMA					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> PSA	NT	
6K8XFU					
Item 3	<b>Pos</b>	HemDirect	NT	NT	
Item 4	<b>Pos</b>	HemDirect	NT	NT	
6LKFPR					
Item 3	<b>Pos</b>	KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	NT	NT	
6MGRRM					
Item 3	NT		NT	NT	
Item 4	NT		NT	NT	
6PKRLR					
Item 3	<b>Pos</b>	KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	NT	NT	
6QG3MM					
Item 3	<b>Pos</b>	Visual Exam, Luminol, KM, HemDirect	<b>Neg</b> ALS, AP, Micro	<b>Neg</b> Amylase Diffusion	
Item 4	<b>Pos</b>	Visual Exam, Luminol, KM	<b>Neg</b> ALS, AP, Micro	<b>Neg</b> Amylase Diffusion	
6R9D73					
Item 3	<b>Pos</b>	KM	NT	NT	
Item 4	<b>Pos</b>	KM	NT	NT	
6TNAX2					
Item 3	<b>Pos</b>	KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	NT	NT	
6W9A7V					
Item 3	NT		NT	NT	
Item 4	NT		NT	NT	
6Y8QAC					
Item 3	<b>Pos</b>	LMG	<b>Neg</b> AP	<b>Neg</b> RSID-Saliva	
Item 4	<b>Pos</b>	LMG	<b>Neg</b> AP	<b>Neg</b> RSID-Saliva	
7A9D29					
Item 3	<b>Pos</b>	KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	NT	NT	
7ANWL7					
Item 3	<b>Pos</b>	KM, HemaTrace	NT	NT	
Item 4	<b>Pos</b>	KM, HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
7AQLTN					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
7GPVDV					
Item 3	Pos	Hemochromogen	NT	NT	
Item 4	Pos	Hemochromogen	NT	NT	
7J9D7Z					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
7VAJDL					
Item 3	Pos	LMG; HemaTrace	NT	NT	Male DNA, Pos Y-screen
Item 4	Pos	LMG; HemaTrace	NT	NT	Male DNA, Neg Y-screen
7VLD3U					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
7VZTN					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
82BZJK					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
82T46Z					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
86AMPU					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
86QKHU					
Item 3	Pos	KM, TMB	Neg AP, Micro, PSA	NT	
Item 4	Pos	KM, TMB	Neg AP, Micro, PSA	NT	
88GUDG					
Item 3	Pos	KM	Neg AP, Micro, p30	Neg Amylase Diffusion plate	
Item 4	Pos	KM	Neg AP, Micro, p30	Neg Amylase Diffusion plate	
8B2LPJ					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
8E2WKJ					
Item 3	<b>Pos</b> KM, HemaTrace		<b>Neg</b> AP, PSA, Micro		<b>Neg</b> Phadebas
Item 4	<b>Pos</b> KM, HemaTrace		<b>Neg</b> AP, PSA, Micro		<b>Neg</b> Phadebas
8F9CRP					
Item 3	<b>Pos</b> KM		NT		NT
Item 4	<b>Pos</b> KM		NT		NT
8JTYP					
Item 3	<b>Pos</b> KM		NT		NT
Item 4	<b>Pos</b> KM		NT		NT
8QC899					
Item 3	<b>Pos</b> O-tol		NT		NT
Item 4	<b>Pos</b> O-tol		NT		NT
8QQWCL					
Item 3	<b>Pos</b> KM		NT		NT
Item 4	<b>Pos</b> KM		NT		NT
8UE9BQ					
Item 3	<b>Pos</b> KM, HemaTrace		NT		NT
Item 4	<b>Pos</b> KM, HemaTrace		NT		NT
8VPAWP					
Item 3	<b>Pos</b> KM, HemaTrace		NT		NT
Item 4	<b>Pos</b> KM, HemaTrace		NT		NT
997ML6					
Item 3	<b>Pos</b> HemaTrace		NT		NT
Item 4	<b>Pos</b> KM, HemaTrace		<b>Neg</b> p30		<b>Neg</b> RSID
9AKPWJ					
Item 3	<b>Pos</b> KM, HemaTrace		NT		NT
Item 4	<b>Pos</b> KM, HemaTrace		NT		NT
9DHEVH					
Item 3	<b>Pos</b> KM		NT		NT
Item 4	<b>Pos</b> KM		NT		NT
9EWUDQ					
Item 3	NT		NT		NT
Item 4	NT		NT		NT
9VYL4T					
Item 3	<b>Pos</b> LMG		NT		NT
Item 4	<b>Pos</b> LMG		NT		NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
9Y2DMR	Item 3	NT	NT	NT	
	Item 4	NT	NT	NT	
9YF2F7	Item 3	Pos LMG	NT	NT	
	Item 4	Pos LMG	NT	NT	
9YGTEE	Item 3	Pos KM			
	Item 4	Pos KM			
A4NT3P	Item 3	NT	Neg PSA	NT	
	Item 4	NT	Neg PSA	NT	
A62CBM	Item 3	Pos KM, HemaTrace	Neg AP	NT	
	Item 4	Pos KM, HemaTrace	Neg AP	NT	
A6NKGK	Item 3	Pos KM, HemaTrace	NT	NT	
	Item 4	Pos KM, HemaTrace	NT	NT	
ADA3KQ	Item 3	Pos LMG	NT	NT	
	Item 4	Pos LMG	NT	NT	
AEBLYF	Item 3	Pos KM	Neg ALS, AP, Micro	Neg RSID	
	Item 4	Pos KM	Neg ALS, AP, Micro	Neg RSID	
AHBU26	Item 3	Pos KM	NT	NT	
	Item 4	Pos KM	NT	NT	
AJZCUP	Item 3	Pos KM, HemaTrace	NT	NT	
	Item 4	Pos KM, HemaTrace	NT	NT	
ANFTEF	Item 3	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
	Item 4	Pos KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
ATM9ZW	Item 3	Pos KM; HemaTrace	NT	NT	
	Item 4	Pos KM; HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID					
	Item	Blood	Semen	Saliva	Other	
AUX9WQ						
Item 3	Pos	HemaTrace	Neg	RSID	Neg	RSID
Item 4	Pos	HemaTrace	Neg	RSID	Neg	RSID
AVYYBL						
Item 3	Pos	KM	Neg	ALS, AP	NT	
Item 4	Pos	KM	Neg	ALS, AP	NT	
AXFAYQ						
Item 3	Pos	HemDirect	NT		NT	
Item 4	Pos	HemDirect	NT		NT	
AXXJRQ						
Item 3	Pos	KM, RSID	NT		Neg	ALS, RSID
Item 4	Pos	KM, RSID	NT		Neg	ALS, RSID
AYXA8L						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
B3P2Q3						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
B7FXKN						
Item 3	Pos	PTMB, HemaTrace	Neg	AP	Neg	Phadebas
Item 4	Pos	PTMB, HemaTrace	Neg	AP	Neg	Phadebas
B8NB3P						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
B9HZ7J						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
BBLHJT						
Item 3	Pos	KM	NT		NT	
Item 4	Pos	KM	NT		NT	
BCWK6R						
Item 3	Pos	FOB	Neg	PSA, RSID Semen	Neg	RSID Saliva
Item 4	Pos	FOB	Neg	PSA, RSID Semen	Neg	RSID Saliva
BE6QTE						
Item 3	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas
Item 4	Pos	KM, HemaTrace	Neg	AP, PSA, Micro	Neg	Phadebas

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
BJZKQF					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
BL9P7P					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BMW962					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
BNVA8M					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
BRVK22					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA	Neg RSID	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA	NT	
BUGB4R					
Item 3	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg RSID, Micro	
Item 4	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg RSID, Micro	
BVXGTG					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
BWLX3P					
Item 3	Pos	KM	NT	Neg RSID	Human, Pos PowerQuant
Item 4	Pos	KM	NT	Neg RSID	Human, Pos PowerQuant
BZ6YYW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
C4224N					
Item 3	Pos	HemaTrace®	Neg ABACard® p30 test	Neg SALlgAE®	Microscopic, Neg Microscopic
Item 4	Pos	HemaTrace®	Neg ABACard® p30 test	Neg SALlgAE®	Microscopic, Neg Microscopic
C43THJ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
CCUGNM					
Item 3	Pos	LMG, HemaTrace	NT	NT	
Item 4	Pos	LMG, HemaTrace	NT	NT	
CD9P7M					
Item 3	Pos	KM	Neg BCIP	NT	
Item 4	Pos	KM	Neg BCIP	NT	
CG923M					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
CJDFLM					
Item 3	Pos	ABACard HemaTrace	NT	NT	
Item 4	Pos	ABACard HemaTrace	NT	NT	
CLGB6P					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
CMFCD3					
Item 3	Pos	HemaTrace	Neg PSA	NT	
Item 4	Pos	HemaTrace	Neg PSA	NT	
CNK7NT					
Item 3	Pos	KM	Neg AP, p30, Micro, ALS	NT	
Item 4	Pos	KM	Neg AP, p30, Micro, ALS	NT	
CTL2YG					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
CY887M					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
CZ2TYE					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
D3JF3L					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
D8GMYG					
Item 3	Pos	KM	Neg AP	Neg Phadebas	
Item 4	Pos	KM	Neg AP	Neg Phadebas	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
D8ULKD					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
DCTTEN					
Item 3	Pos	KM	Neg ALS, AP, Micro	Neg Phadebas	
Item 4	Pos	KM	Neg ALS, AP, Micro	Neg Phadebas	
DHHBQE					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
DJDTRF					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
DJPPXK					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
DKL2YE					
Item 3	Pos	LMG, HemaTrace	NT	NT	Male DNA, Pos Y-screen
Item 4	Pos	LMG, HemaTrace	NT	NT	Male DNA, Neg Y-screen
DLDBHU					
Item 3	Pos	Hemophan, FOB Test	NT	NT	
Item 4	Pos	Hemophan, FOB Test	NT	NT	
DQ887L					
Item 3	Pos		NT	NT	
Item 4	Pos		NT	NT	
DR4C7N					
Item 3	Pos	KM, HemDirect	Neg ALS, AP, Micro	Neg RSID Saliva	
Item 4	Pos	KM, HemDirect	Neg ALS, AP, Micro	Neg RSID Saliva	
DR8YLG					
Item 3	Pos	KM, Haemaglobin	NT	NT	
Item 4	Pos	KM, Haemaglobin	NT	NT	
DTX3C3					
Item 3	Pos	O-tol, HemaTrace	NT	NT	
Item 4	Pos	O-tol, HemaTrace	NT	NT	



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
DTYUAB					
Item 3	Pos	KM	Neg AP	NT	Y screening, Pos Promega Casework Direct
Item 4	Pos	KM	Neg AP	NT	Y screening, Neg Promega Casework Direct
DTZM9H					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
E2PXVH					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	NT	
EFAHAK					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
EGFZ8F					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
EGHPFJ					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
EHEA2X					
Item 3	Pos	KM; HemaTrace	NT	NT	
Item 4	Pos	KM; HemaTrace	NT	NT	
ERYEBH					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
ETVPCD					
Item 3	Pos	Hemastix, HemaTrace	NT	NT	
Item 4	Pos	Hemastix, HemaTrace	NT	NT	
F2896B					
Item 3	Pos	KM, HemDirect	Neg AP, Micro, PSA	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
Item 4	Pos	KM, HemDirect	Neg AP, Micro, PSA	NT	Y-Screening, Neg Promega Casework Direct Kit, Custom
F3AFYM					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
F49F29					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
F7WPG2					
Item 3	Pos	KM, Hexagon OBTI			
Item 4	Pos	KM, Hexagon OBTI			
FGCUAJ					
Item 3	Pos	Phenolphthalein	NT	NT	
Item 4	Pos	Phenolphthalein	NT	NT	
FJMH7C					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
FL8N8K					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FQMWWJ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FRDA7P					
Item 3	Pos	KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos	KM	Neg AP, Micro	Neg Phadebas	
FWARTG					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
FX8WAB					
Item 3	NT		NT	NT	Y-Screening, Pos Promega Casework Direct Kit, Custom
Item 4	NT		NT	NT	Y-Screening, Neg Promega Casework Direct Kit, Custom
G2EWXL					
Item 3	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
Item 4	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg RSID	
G4KJ7K					
Item 3	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, PSA, Micro	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
G62PVA					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
G92XYK					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama	Neg AP	NT	Human Origin, Pos PowerQuant
GARY69					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg phadebas	
GAX92E					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
GJDA7M					
Item 3	Pos	KM, LMG, HemaTrace	Neg ALS, AP, PSA, Micro	Neg Saligae	
Item 4	Pos	KM, LMG, HemaTrace	Neg ALS, AP, PSA, Micro	Neg Saligae	
GLLC3J					
Item 3	Pos	KM, HemaTrace	NT	NT	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, HemaTrace	NT	NT	Human Origin, Pos HemaTrace, PowerQuant
GLPYGC					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP	Neg Phadebas	
GMZJN2					
Item 3	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg ALS, AP, PSA, Micro	NT	
GNDBGH					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
GP82MW					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
GPAMHD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
GT264H					
Item 3	Pos	LMG, HemaTrace	Neg AP, Micro, PSA	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, Micro, PSA	NT	
GVCX7W					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
GYWPHY					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
H6EMG7					
Item 3	Pos	PTMB	NT	NT	
Item 4	Pos	PTMB	NT	NT	
H6WJXD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
H7R3YE					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
HCXQN9					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
HE8LJD					
Item 3	Pos	KM, HemDirect	NT	NT	
Item 4	Pos	KM, HemDirect	NT	NT	
HG6DZP					
Item 3	Pos	Hemastix	NT	NT	
Item 4	Pos	Hemastix	NT	NT	
HHLNYH					
Item 3	Pos	KM, HemaTrace	NT	NT	Human, Pos PowerQuant
Item 4	Pos	KM, HemaTrace	NT	NT	Human, Pos PowerQuant
HQU6LG					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
HT39HE					
Item 3	Pos		NT	NT	
Item 4	Pos		NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
HTZHCV					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
HUEWXX					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
HY9UMB					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
J2CWWD					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
J2PTYW					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
J8XYTG					
Item 3	Pos	KM, TMB	Neg	AP, PSA, Micro	NT
Item 4	Pos	KM, TMB	Neg	AP, PSA, Micro	NT
J96DZM					
Item 3	Pos	KM	NT	NT	Hairs and fibres recovered
Item 4	Pos	KM	NT	NT	Hairs and fibres recovered
JJ8PGB					
Item 3	Pos	LMG	NT	NT	Human Blood, Pos RSID
Item 4	Pos	LMG	NT	NT	Human Blood, Pos RSID
JKPE8H					
Item 3	Pos	KM	Neg	ALS, AP, Micro	Neg
Item 4	Pos	KM	Neg	ALS, AP, Micro	Neg
JKZHCU					
Item 3	Pos	KM, HT	Neg	AP	Neg
Item 4	Pos	KM, HT	Neg	AP	Neg
JNLAFJ					
Item 3	Pos	KM	Neg	ALS, AP	NT
Item 4	Pos	KM	Neg	ALS, AP, Micro, PSA	NT

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
JPCBL8					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
JQRU76					
Item 3	Pos	PTMB	NT	NT	
Item 4	Pos	PTMB	NT	NT	
JTF4LX					
Item 3	Pos	BlueStar Obti-test	Neg Seratec PSA Semiquant (p30)	Neg Phadebas	
Item 4	Pos	BlueStar Obti-test	Neg Seratec PSA Semiquant (p30)	Neg Phadebas	
JY92DA					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
K4ECMF					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
K96MWD					
Item 3	Pos	TMB	Neg ALS, AP	NT	
Item 4	Pos	TMB	Neg ALS, AP	NT	
K9KXKK					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KC8K87					
Item 3	Pos	HemDir, Luminol, KM	Neg ALS, Micro, AP	Neg Amylase Diffusion	
Item 4	Pos	HemDir, Luminol, KM	Neg ALS, Micro, AP	Neg Amylase Diffusion	
KEBAL9					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KGKANU					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
KHVCDE					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
KJRNE9					
Item 3	Pos	KM, Luminol, Hemdirect	Neg ALS, STMP, Micro	NT	
Item 4	Pos	KM	Neg ALS, STMP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
KNWB2H					
Item 3	Pos	KM	Neg AP, Micro	Neg Phadebas	
Item 4	Pos	KM	Neg AP, Micro	Neg Phadebas	
KPT6L9					
Item 3	Pos	HemaTrace, TMB	Neg AP, PSA	NT	
Item 4	Pos	HemaTrace, TMB	Neg AP, PSA		
KTA8QT					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
KTCWWB					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
KTDRL9					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
KYHPQ7					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
KZV3TH					
Item 3	Pos	KM, HemaTrace	Neg AP	Neg Phadebas, RSID	Human, Pos HemaTrace, Powerquant
Item 4	Pos	KM, HemaTrace	Neg AP	Neg Phadebas, RSID	Human, Pos HemaTrace, Powerquant
L2KWKH					
Item 3	Pos	HemDirect Seratec	Neg Christmas tree - RSID Semen	Neg alfa -Amylase Seratec	
Item 4	Pos	HemDirect Seratec	Neg Christmas tree - RSID Semen	Neg alfa -Amylase Seratec	
L8RGUA					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
LCYUPL					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LDEDAJ					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
LGWB3F					
Item 3	Pos	HEMASTIX REAGENT STRIPS + SERATEC HEMDIRECT HEMOGLOBIN ASSAY	NT	NT	
Item 4	Pos	HEMASTIX REAGENT STRIPS + SERATEC HEMDIRECT HEMOGLOBIN ASSAY	NT	NT	
LH6NJH					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LUZW67					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
LXLLPH					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
M2YQWC					
Item 3	Pos	LMG	Neg Micro, PSA	NT	
Item 4	Pos	LMG	Neg Micro, PSA	NT	
M6YUQK					
Item 3	Pos	O-tol, HemDirect, Species Cross-Over	Neg AP	NT	Feces, Urine, Vomit, Neg Urobilinogen, Creatinine, DMAC, Pepsin
Item 4	Pos	O-tol, HemDirect, Species Cross-Over	Neg AP	NT	Feces, Urine, Vomit, Neg Urobilinogen, Creatinine, DMAC, Pepsin
MACQEU					
Item 3	Pos	LMG	Neg AP	Neg RSID Saliva	
Item 4	Pos	LMG	Neg AP	Neg RSID Saliva	
MGDX3A					
Item 3	Pos	KM, HemaTrace	Neg TMP	NT	
Item 4	Pos	KM, HemaTrace	Neg TMP	NT	
MHT6L7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
MLM86C					
Item 3	NT		NT	NT	
Item 4	NT		NT	NT	
MMX6HU					
Item 3	Pos	KM, HT	Neg AP, Micro, PSA	Neg Phadebas	Y-screening, Pos
Item 4	Pos	KM, HT	Neg AP, Micro, PSA	Neg Phadebas	Y-screening, Neg



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
MW6PWJ					
Item 3	<b>Pos</b>	O-tol, Seratec Blood card	<b>Neg</b> AP, Micro, PSA, ALS	<b>Neg</b>	Seratec Amylase card, ALS
Item 4	<b>Pos</b>	O-tol, Seratec Blood card	<b>Neg</b> AP, Micro, PSA, ALS	<b>Neg</b>	Seratec Amylase card, ALS
MWMQNR					
Item 3	<b>Pos</b>	KM	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>Neg</b> AP	<b>NT</b>	
N7PFWF					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
N83VGA					
Item 3	<b>Pos</b>	TMB (Hemastix) & HemaTrace	<b>Neg</b> AP and ALS	<b>NT</b>	
Item 4	<b>Pos</b>	TMB (Hemastix) & HemaTrace	<b>Neg</b> AP and ALS	<b>NT</b>	
NBYTEE					
Item 3	<b>Pos</b>	O-tol, HemDirect Card	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b>	Amylase Card
Item 4	<b>Pos</b>	O-tol, HemDirect Card	<b>Neg</b> ALS, AP, Micro, PSA	<b>Neg</b>	Amylase Card
ND9J4J					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
NFX6HR					
Item 3	<b>Pos</b>	O-tol	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	O-tol	<b>NT</b>	<b>NT</b>	
NJECXE					
Item 3	<b>Pos</b>	Hemochromogen	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	Hemochromogen	<b>NT</b>	<b>NT</b>	
NJWTGER					
Item 3	<b>Pos</b>	O-tol, HT			
Item 4	<b>Pos</b>	O-tol, HT			
NJY2A8					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
NUC7G4					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
NZG8DQ					
Item 3	<b>Pos</b>	O-tol	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	O-tol	<b>NT</b>	<b>NT</b>	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
NZHZBY					
Item 3	<b>Pos</b>	KM, O-tol, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, RSID	<b>NT</b>	<b>NT</b>	
NZJRA8					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
P3LVU2					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>NT</b>	<b>NT</b>	
P6TDTX					
Item 3	<b>Pos</b>	ppth, O-tol, hemdirect	<b>Neg</b> AP	<b>NT</b>	
Item 4	<b>Pos</b>	ppth, O-tol, hemdirect	<b>Neg</b> AP	<b>NT</b>	
PCDD8P					
Item 3	<b>Pos</b>	HemaTrace	<b>Neg</b> p30	<b>Neg</b> RSID	
Item 4	<b>Pos</b>	HemaTrace	<b>Neg</b> p30	<b>Neg</b> RSID	
PEG9QR					
Item 3	<b>Pos</b>	LMG	<b>Neg</b> AP	<b>Neg</b> RSID Saliva	
Item 4	<b>Pos</b>	LMG	<b>Neg</b> AP	<b>Neg</b> RSID Saliva	
PLGNFZ					
Item 3	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
Item 4	<b>Pos</b>	KM, HemaTrace	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> Phadebas	
PM73EA					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
PR4MLE					
Item 3	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
Item 4	<b>Pos</b>	KM	<b>NT</b>	<b>NT</b>	
PYMG8C					
Item 3	<b>Pos</b>	KM, HD	<b>Neg</b> ALS, AP, Micro	<b>Neg</b> RSID Saliva	
Item 4	<b>Pos</b>	KM, HD	<b>Neg</b> ALS, AP, Micro	<b>Neg</b> RSID Saliva	
PZC66X					
Item 3	<b>Pos</b>	KM	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> Radial Diffusion	
Item 4	<b>Pos</b>	KM	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> Radial Diffusion	
Q4RYJA					
Item 3	<b>Pos</b>	KM, HemDirect	<b>Neg</b> ALS, AP, Micro	<b>Neg</b> RSID-Saliva	
Item 4	<b>Pos</b>	KM, HemDirect	<b>Neg</b> ALS, AP, Micro, RSID-Semen	<b>Neg</b> RSID-Saliva	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
Q8VKMA					
Item 3	Pos	KM, TMB	Neg AP, PSA, Micro	Neg	RSID
Item 4	Pos	KM, TMB	Neg AP, PSA, Micro	Neg	RSID
QBUVHA					
Item 3	Pos	RSID	Neg PSA	NT	
Item 4	Pos	RSID	Neg PSA	NT	
QE9TNB					
Item 3	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg	RSID, Micro
Item 4	Pos	O-tol, HemaTrace	Neg AP, PSA, Micro	Neg	RSID, Micro
QF4CRX					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
QFL32H					
Item 3	Pos	RSID	Neg RSID	NT	
Item 4	Pos	RSID	Neg RSID	NT	
QJ76RN					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
QKECW3					
Item 3	Pos	TMB	NT	NT	
Item 4	Pos	TMB	NT	NT	
QN2UG9					
Item 3	Pos	O-tol	Neg AP	NT	
Item 4	Pos	O-tol	Neg AP	NT	
QNHX22					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
QPVKK2					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
QR23JX					
Item 3	Pos	KM	Neg AP, Micro	Neg	RSID
Item 4	Pos	KM	Neg AP, Micro	Neg	RSID
QTA6JB					
Item 3	Pos	KM, TMB	Neg AP	NT	
Item 4	Pos	KM, TMB	Neg AP	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
QVLVZ					
Item 3	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
Item 4	Pos	KM, HemaTrace	Neg AP, PSA, Micro	Neg Phadebas	
R3UVJ8					
Item 3	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Pos Y-screening
Item 4	Pos	KM, HemaTrace	Neg PSA, Micro	Neg RSID	Male DNA, Neg Y-screening
R62BQD					
Item 3	Pos	O-tol, HemDirect	Neg AP, PSA, ALS	Neg Amylase, ALS	
Item 4	Pos	O-tol, HemDirect	Neg AP, PSA, ALS	Neg Amylase, ALS	
RB9RAZ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
RDCPH8					
Item 3	Pos	KM, RSID	NT	Neg	
Item 4	Pos	KM, HemaTrace	NT	NT	
RENC99					
Item 3	Pos	TMB, KM	Neg AP	NT	
Item 4	Pos	TMB, KM	Neg AP	NT	
RFHX2Z					
Item 3	Pos	KM, HemaTrace	Neg AP, p30, Micro, ALS	Neg Amylase, Micro, ALS	
Item 4	Pos	KM, HemaTrace	Neg AP, p30, Micro, ALS	Neg Amylase, Micro, ALS	
RJ23JV					
Item 3	Pos	KM, RSID-Blood	NT	NT	
Item 4	Pos	O-tol, HT	NT	NT	
RJZALM					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
RTBC8N					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	NT	NT	
RTC66W					
Item 3	Pos	KM	NT	NT	Screen for male DNA, Pos NaOH Y screen
Item 4	Pos	KM	NT	NT	Screen for male DNA, Neg NaOH Y screen

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
RVBPM2					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
RXLLG6					
Item 3	Pos	KM, HEMA	Neg AP	NT	
Item 4	Pos	KM, HEMA	Neg AP	NT	
T2YHL8					
Item 3	Pos	Phenolphthalein	NT	NT	
Item 4	Pos	Phenolphthalein	NT	NT	
T3AJE8					
Item 3	Pos	KM			
Item 4	Pos	KM			
T3PVWD					
Item 3	Pos	O-tol	NT	NT	
Item 4	Pos	O-tol	Neg ALS, AP	NT	
T9XGNF					
Item 3	Pos	LMG, alpha-HuHb	NT	Neg Amylase	
Item 4	Pos	LMG, alpha-HuHb	NT	Neg Amylase	
TEHG38					
Item 3	Pos	RSID	Neg RSID	Neg RSID	
Item 4	Pos	RSID	Neg RSID	Neg RSID	
TGQKY6					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
TP72W7					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
TT6DT7					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
TUY4WY					
Item 3	Pos	KM, HemDirect	Neg ALS, PSA	NT	
Item 4	Pos	KM, HemDirect	Neg ALS, PSA	NT	
TXJBX8					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg Phadebas, ALS	Human DNA detected, Pos Quantifiler Trio
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg Phadebas, ALS	Human DNA detected, Pos Quantifiler Trio

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
U36G7E					
Item 3	Pos	Hemastix	Neg AP	NT	
Item 4	Pos	Hemastix	Neg AP	NT	
U3P4T4					
Item 3	Pos	Hemastix (TMB), HemaTrace	Neg ALS, AP	NT	
Item 4	Pos	Hemastix (TMB), HemaTrace	Neg ALS, AP	NT	
U7TYC7					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
U8ZGA2					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM< HemaTrace	Neg AP	NT	
U9FHD4					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
UHKTJT					
Item 3	Pos	KM	Neg AP, PSA, Micro	NT	
Item 4	Pos	KM	Neg AP, PSA, Micro	NT	
UHY7W6					
Item 3	Pos	LMG, HemaTrace	Neg PSA, Micro	NT	
Item 4	Pos	LMG, HemaTrace	Neg PSA, Micro	NT	
UMDUJM					
Item 3	Pos	LMG	Neg AP	Neg RSID - Saliva	
Item 4	Pos	LMG	Neg AP	Neg RSID - Saliva	
UZYAML					
Item 3	Pos	KM, HT	Neg AP	Neg RSID	
Item 4	Pos	KM, HT	Neg AP	Neg RSID	
V4XPQ4					
Item 3	Pos	HemaTrace(ABAcad)	NT	NT	
Item 4	Pos	HemaTrace(ABAcad)	NT	NT	
V4YJAA					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
V9PWCW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
VAKTKR					
Item 3	Pos	O-tol and HemaTrace	NT	NT	
Item 4	Pos	KM and RSID	NT	NT	
VHZ63Y					
Item 3	Pos	LMG, HemaTrace	Neg AP	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP	NT	
VLXPPV					
Item 3	Pos	KM, HemDirect	Neg AP, Micro, PSA	NT	Y-screening, Pos Promega Casework Direct Kit, Custom
Item 4	Pos	KM, HemDirect	Neg AP, Micro, PSA	NT	Y-screening, Neg Promega Casework Direct Kit, Custom
VZEUQW					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
W2PWCV					
Item 3	Pos	KM	Neg AP, Micro	NT	
Item 4	Pos	KM	Neg AP, Micro	NT	
W7GCQU					
Item 3	Pos	Luminol, KM, HemDirect	Neg ALS, STMP, Micro	Neg Amylase Diffusion	
Item 4	Pos	Luminol, KM	Neg ALS, STMP, Micro	Neg Amylase Diffusion	
WC9GKX					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
WEFG2Y					
Item 3	Pos	LMG, RSID	NT	NT	
Item 4	Pos	LMG, RSID	NT	NT	
WMNBVR					
Item 3	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
Item 4	Pos	KM	Neg AP, Micro, ALS	Neg RSID	
WPEHD3					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
WPRXH4					
Item 3	Pos	LMG, HemaTrace	Neg AP, Micro, PSA	NT	
Item 4	Pos	LMG, HemaTrace	Neg AP, Micro, PSA	NT	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
WREUQU					
Item 3	Pos	ALS, KM, HemaTrace	NT	NT	
Item 4	Pos	ALS, KM, HemaTrace	NT	NT	
WWANNV					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
X227NT					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
X3WPPU					
Item 3	Pos	HemDirect	Neg PSA	NT	
Item 4	Pos	HemDirect	Neg PSA	NT	
X6K2PZ					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
XAFRXW					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
XBC6H4					
Item 3	Pos	KM, HemDirect	Neg AP, Micro, PSA	Neg RSID Saliva	
Item 4	Pos	KM, HemDirect	Neg AP, Micro	Neg RSID Saliva	
XDHQ9P					
Item 3	Pos	KM, O-tol, HemaTrace	NT	NT	Male Screen, Pos NaOH Y-screen
Item 4	Pos	KM, RSID-Blood	NT	NT	Male Screen, Neg NaOH Y-screen
XJHCX4					
Item 3	Pos	KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg RSID-Saliva	Human Origin, Pos HemaTrace, PowerQuant
Item 4	Pos	KM, Takayama, HemaTrace	Neg AP, Micro, PSA	Neg RSID-Saliva	Human Origin, Pos HemaTrace, PowerQuant
XKWNR3					
Item 3	Pos	KM	Neg AP	NT	
Item 4	Pos	KM	Neg AP	NT	
XQ43KY					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	



TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
<b>XWRL43</b>					
Item 3	Pos KM		Neg ALS, AP, Micro	Neg ALS, Phadebas	
Item 4	Pos KM		Neg ALS, AP, Micro	Neg ALS, Phadebas	
<b>XY9DZ</b>					
Item 3	Pos KM, HemaTrace		Neg AP	NT	
Item 4	Pos KM, HemaTrace		Neg AP	NT	
<b>XZUJEU</b>					
Item 3	NT		NT	NT	Male DNA, Pos Y Screen - Quant Trio
Item 4	NT		NT	NT	Male DNA, Neg Y Screen - Quant Trio
<b>Y2KAVT</b>					
Item 3	Pos KM, HemDirect		Neg AP, PSA, Micro, ALS	NT	
Item 4	Pos KM, HemDirect		Neg AP, PSA, Micro, ALS	NT	
<b>Y3C6H2</b>					
Item 3	Pos KM		Neg PSA	Neg RSID	Human, Pos PowerQuant
Item 4	Pos KM		Neg PSA	Neg RSID	Human, Pos PowerQuant
<b>Y6EF44</b>					
Item 3	Pos KM		Neg AP		
Item 4	Pos KM		Neg AP		
<b>Y6JH7V</b>					
Item 3	Pos LMG, HemaTrace		Neg AP	NT	
Item 4	Pos LMG, HemaTrace		Neg AP	NT	
<b>YAW9NJ</b>					
Item 3	Pos LMG		Neg AP	Neg RSID Saliva	
Item 4	Pos LMG		Neg AP	Neg RSID Saliva	
<b>YE2EV9</b>					
Item 3	Pos Hemastix		NT	NT	
Item 4	Pos Hemastix		NT	NT	
<b>YG9M9Z</b>					
Item 3	Pos KM		Neg AP	NT	
Item 4	Pos KM		Neg AP	NT	
<b>YGU3FP</b>					
Item 3	Pos O-tol, HemaTrace		Neg AP		
Item 4	Pos O-tol, HemaTrace		Neg AP		

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
YJ3DDE					
Item 3	Pos	HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
YJ6XAU					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
YQWKQT					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
YT8FKX					
Item 3	Pos	KM, HemaTrace	Neg AP	NT	
Item 4	Pos	KM, HemaTrace	Neg AP	NT	
YUFERY					
Item 3	Pos	HemaTrace			
Item 4	Pos	HemaTrace			
Z2YV6V					
Item 3	Pos	LMG	NT	NT	Human Blood, Pos RSID Blood
Item 4	Pos	LMG	NT	NT	Human Blood, Pos RSID Blood
Z9D47W					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	KM, HemaTrace	NT	NT	
Z9XKMY					
Item 3	Pos	KM	NT	NT	
Item 4	Pos	KM	NT	NT	
ZA9F9Q					
Item 3	Pos	Hemastix, HemaTrace	Neg AP	NT	
Item 4	Pos	Hemastix, HemaTrace	Neg AP	NT	
ZARBTD					
Item 3	Pos	KM, HemaTrace	NT	NT	
Item 4	Pos	HemaTrace	NT	NT	
ZL3QQ7					
Item 3	Pos	O-tol, SERATEC HemDirect	Neg ALS, AP, Micro, PSA	Neg ALS, SERATEC AmylaseTest	
Item 4	Pos	O-tol, SERATEC HemDirect	Neg ALS, AP, Micro, PSA	Neg ALS, SERATEC AmylaseTest	

TABLE 1

Webcode	Fluid ID				
	Item	Blood	Semen	Saliva	Other
ZQGEDN					
Item 3	Pos	LMG	NT	NT	
Item 4	Pos	LMG	NT	NT	
ZUCE46					
Item 3	Pos	KM	Neg AP, Micro for Sperm	NT	
Item 4	Pos	KM	Neg AP, Micro for Sperm	NT	

Table 1: Serology Screening Response Summary				Item 3	Participants: 336
ITEM 3:	Blood	Semen	Saliva		
Positive	<b>327</b>	<b>0</b>	<b>0</b>		
Negative	<b>0</b>	<b>139</b>	<b>68</b>		
Inconclusive	<b>0</b>	<b>0</b>	<b>0</b>		
Not Tested (NT)	<b>8</b>	<b>189</b>	<b>257</b>		
Not Reported	<b>1</b>	<b>8</b>	<b>11</b>		

Table 1: Serology Screening Response Summary				Item 4	Participants: 336
ITEM 4:	Blood	Semen	Saliva		
Positive	<b>327</b>	<b>0</b>	<b>0</b>		
Negative	<b>0</b>	<b>141</b>	<b>67</b>		
Inconclusive	<b>0</b>	<b>0</b>	<b>0</b>		
Not Tested (NT)	<b>8</b>	<b>187</b>	<b>257</b>		
Not Reported	<b>1</b>	<b>8</b>	<b>12</b>		

# STR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - STR Results

269H9Y	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	No Result			No Result	
<hr/>						
29RMQU	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
<hr/>						
2BZPQ8	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
<hr/>						
2DGC3Q	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
<hr/>						
2FPFYN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
<hr/>						
2HGEDL	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

2N629R	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
2V233Q	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
33ZPR6	PowerPlex® ESI 17 Fast System					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
36LT2N	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
38CQYU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
39R69P	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
3CPQVL	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

3M233N	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
3QPATC	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
3TPM74	PowerPlex® DNA-17					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
3WTA7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
3Y2J3Q	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
449A6W	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
48VU7U	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

49ZNFZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
4GWGXR	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
4HWCNP	GlobalFiler™ Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
4LT6DD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
4W9VFP	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
4ZA2TA	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
4ZCLNP	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

639U4K	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
63AJCM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
63U8UH	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
67UCNQ	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6ANL73	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6AWCNM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6GQLRQ	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

6JJFMA	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
6K8XFU	PowerPlex® Fusion, Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	NT
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR	NT	
6LKFPF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6MGRRM	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6PKRLR	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6QG3MM	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6R9D73	Identifiler® Direct					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	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

6TNAX2	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
6W9A7V	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6Y8QAC	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7A9D29	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
7ANWL7	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
7AQLTN	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7GPVDV	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	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

7J9D7Z	ESI-17 Fast					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
7VAJDL	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1		14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7VLD3U	Identifiler® Direct					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
7WZTN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1		14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
82BZJK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1		14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
82T46Z	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1		14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
86AMPU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	Not tested
1		14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	Not tested	Not tested	18,30.2	7,8	8,8
	14,17	Not detected	Not tested	Not tested	Not detected	

TABLE 2

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

86QKHU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
88GUDG	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
8B2LPJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8E2WKJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8F9CRP	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
8JTYTP	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8NLD3R	PowerPlex® Fusion 5C, 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

8QC899	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
8QQWCL	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
8UE9BQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8VPAWP	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
997ML6	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
9AKPWJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
9DHEVH	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

9EWUDQ	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
9VYL4T	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
9Y2DMR	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
9YF2F7	Investigator® 24plex					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
9YGTEE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
A4NT3P	PowerPlex® 6C, GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
A6NKGK	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	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

ADA3KQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NT
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	NT	NT	18,30.2	7,8	8,8
	14,17	NR	NT	NT	NR	
AEBLYF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
AHBU26	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
AJZCUP	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
ANFTEF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ATM9ZW	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
AUX9WQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

AVYYBL	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
AXFAYQ	PowerPlex® Fusion 5C, 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
AXXJQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NA
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	NA	NA	18,30.2	7,8	8,8
	14,17	ND	NA	NA	ND	
AYXA8L	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
B3P2Q3	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
B7FXKN	GlobalFiler™ Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
B8NB3P	GlobalFiler™ (STRmix v2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

B9HZ7J	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BBLHJT	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
BCWK6R	GlobalFiler™ (LRmix Studio version 2.1.3)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
BE6QTE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BJZKQF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BL9P7P	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
BMW962	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

BNVA8M	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BRVK22	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BUGB4R	PowerPlex® 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BWLX3P	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
BZ6YYW	Identifiler® Direct					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
C4224N	PowerPlex® Fusion 6C (CODIS)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
C43THJ	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

CCUGNM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
CD9P7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CG923M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CJDFLM	Investigator® 24plex GO!					
	15,17.3	17,20	10,14	16,17	9,12	n/a
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	n/a	n/a	18,30.2	7,8	8,8
	14,17	n/a	n/a	n/a	n/a	
CLGB6P	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
CMFCD3	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
CNK7NT	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no 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

CTL2YG	GlobalFiler™ Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CY887M	Identifiler® Direct					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
CZ2TYE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
D3JF3L	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No result			No result	
D8GMYG	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
D8ULKD	GlobalFiler™, MiniFiler					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no result			no result	
DHHBQE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

DJDTRF	PowerPlex® Fusion 6c Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
DJPPXK	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
DKL2YE	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
DLDBHU	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
DQ887L	PowerPlex® ESi 17					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
DR8YLG	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
1	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
DTX3C3	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	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

DTYUAB	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		
DTZM9H	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
EFAHAK	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
EGFZ8F	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
EGHPFJ	PowerPlex® Fusion 5C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
EHEA2X	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
ERYEBH	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

ETVPCD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
F3AFYM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
F49F29	GlobalFiler™ (STRMix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
F7WPG2	PowerPlex® 16 ESI Fast					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21				7,8	
	14,17					
FGCUAJ	GlobalFiler™ Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
FJMH7C	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
FL8N8K	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

FRDA7P	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
FWARTG	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
G2EWXL	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
G4KJ7K	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
G62PVA	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
G92XYK	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GARY69	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

GAX92E	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
GJDA7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
GLLC3J	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GLPYGC	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
GMZJN2	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
GNDBGH	GlobalFiler™, MiniFiler (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
GP82MW	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

GT264H	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	N/R			N/R	
GVCX7W	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GYWPHY	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
H6EMG7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NA			NA	
H6WJXD	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
HXCQN9	GlobalFiler™ (STRmix v2.5.11)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
HE8LJD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

HG6DZP	GlobalFiler™ Express (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
HHLNYH	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
HQU6LG	Identifiler® Direct					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
HT39HE	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
HTZHCV	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
HUEWXX	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
HY9UMB	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

J2CWWD	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
J2PTYW	Identifiler®					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
J78LJC	Identifiler®, GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
J8XYTG	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
J96DZM	ESI-17FAST					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
JJ8PGB	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
JKPE8H	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	No Results			No 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

JKZHCU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
JNLAFJ	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
JPCBL8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
JQRU76	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
JTF4LX	PowerPlex® ESX 17 Fast System					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
JWWJXB	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
JY92DA	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

K4ECMF	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
K96MWD	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
K9KXKK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no result			no result	
KC8K87	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KEBAL9	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
KGKANU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
KHVCDE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

KJRNE9	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
KNWB2H	GlobalFiler™ (TrueAllele)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KPT6L9	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
1	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
KTABQT	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
KTCWWB	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KTDLR9	GlobalFiler™ Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KYHPQ7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

KZV3TH	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
L2KWKH	PowerPlex® Fusion, GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21				7,8	8
	14,17					
L8RGUA	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
LCYUPL	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	NM			NM	
LDEDAJ	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
LGWB3F	PowerPlex® ESI 16 FAST					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13	28,31.2	15,17	X	
	19,21				7,8	
	14,17					
LH6NJH	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

LUZW67	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
LXLLPH	NGM DETECT™					
	15,17.3	17,20	10,14	16,17		
1		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
M2YQWC	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
M6YUQK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MACQEU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MHT6L7	PowerPlex® Fusion 6C Direct					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
MLM86C	PowerPlex® Fusion 6C, 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

MMX6HU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	---			---	
MQWGDU	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17	ND				
MW6PWJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MWMQNR	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
N7PFWF	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	NM			NM	
N83VGA	Investigator® 24plex GO! (TrueAllele)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	no result				
NBYTEE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

ND9J4J	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
NFX6HR	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJECXE	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJWGER	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJY2A8	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
NUC7G4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
NZG8DQ	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	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

NZHZBY	GlobalFiler™ (STRmix)						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17	NR			NR		
NZJRA8	Investigator® 24plex QS						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
P3LVU2	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
P6DTX	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13,13	28,31.2	15,17	X,X	9,12
		19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17						
PA4J94	Identifiler®, GlobalFiler™ Express						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
PCDD8P	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21	13,14	13	18,30.2	7,8	8
	14,17						
PEG9QR	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17,3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	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

PLGNFZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
PM73EA	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
PR4MLE	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	NM			NM	
PTJRA6	Identifiler®, GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
PYMG8C	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
PZC66X	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
Q8VKMA	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

QBUVHA	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X	9,12
	19,21				7,8	8
	14,17					
QE9TNB	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
QF4CRX	GlobalFiler™ Express (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
QFL32H	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
QJ76RN	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
QKECW3	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
1	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
QN2UG9	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	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

QNHX22	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
QPVKK2	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
QR23JX	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
QTA6JB	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
QVLVZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
R3UVJ8	PowerPlex® Fusion5C, Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
R62BQD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

RB9RAZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
RDCPH8	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
RENC99	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NT
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	NT	NT	18,30.2	7,8	8
	14,17	NR	NT	NT	NR	
RFHX2Z	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No result			No result	
RJ23JV	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
RJZALM	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17	NT				
RTBC8N	PowerPlex® Fusion					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	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

RTC66W	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
RVBPM2	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
T2YHL8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
T3AJE8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
T3PWWD	Investigator® 24plex					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
T9XGNF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
TEHG38	PowerPlex® Fusion 6C (Familias3)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	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

TGQKY6	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
TP72W7	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
TT6DT7	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
TUY4WY	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
TXJBX8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	no results			no results	
U36G7E	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
U3P4T4	Investigator® 24plex GO!					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

U7TYC7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
U8ZGA2	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
U9FHD4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
UHKTJT	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
UHY7W6	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
UMDUJM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
UZYAML	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

V4XPQ4	Investigator® 24plex GO!					
	15,17.3	17,20	10,14	16,17	9,12	N/A
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	N/A	N/A	18,30.2	7,8	8,8
	14,17	N/A	N/A	N/A	N/A	
V4YJAA	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	NM			NM	
V9PWCW	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
VAKTKR	GlobalFiler™ Express (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
VHZ63Y	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
V LXPPV	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		
VZEUQW	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

W2PWCV	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No Result			No Result	
W7GCQU	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
WC9GKX	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
WEFG2Y	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
WMNBVR	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
WPEHD3	GlobalFiler™, MiniFiler (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
WPRXH4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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

WREUQU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
WWANNV	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
X227NT	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		
X3WPPU	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
X6K2PZ	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
XAFRXW	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
1	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
XDHQ9P	GlobalFiler™ Express (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

XJHCX4	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13,13	28,31.2	15,17	X,X	9,12
		19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17						
XKWNR3	Identifiler® Direct						
			17,20		16,17	9,12	
	1	10,11	14,15			11,13	12,14
		12,15	13	28,31.2		X,X	9,12
		19,21				7,8	8
	14,17						
XQ43KY	PowerPlex® Fusion 6C (STRmix)						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21	13,14	13	18,30.2	7,8	8
	14,17						
XYY9DZ	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
XZUJEU	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
Y2KAVT	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X,X	9,12
		19,21			18,30.2	7,8	8
	14,17	NR			NR		
Y3C6H2	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	1	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13,13	28,31.2	15,17	X,X	9,12
		19,21	13,14	13,13	18,30.2	7,8	8,8
	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

Y6EF44	Investigator® 24plex QS (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
Y6JH7V	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YAW9NJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YE2EV9	GlobalFiler™ Express (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YG9M9Z	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
YGU3FP	Identifiler® Plus					
		17,20		16,17	9,12	
1	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
YJ3DDE	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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

YJ6XAU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YKCBRW	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YQWKQT	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
YUFERY	Investigator® 24plex GO!					
	15,17.3	17,20	10,14	16,17	9,12	n/a
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	N/A	N/A	18,30.2	7,8	8,8
	14,17	n/a	n/a	n/a	n/a	
Z2YV6V	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
Z9D47W	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
Z9XKMY	GlobalFiler™ (STRmix™)					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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

ZA9F9Q	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ZARBTD	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
ZL3QQ7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ZQGEDN	GlobalFiler™ Express					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ZUCE46	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
1	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no 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 2 - STR Results

269H9Y	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
29RMQU	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
2BZPQ8	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
2DGC3Q	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
2FPFYN	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
2HGEDL	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
2N629R	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

Item 2 - STR Results

2V233Q	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
33ZPR6	PowerPlex® ESI 17 Fast System					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
36LT2N	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
38CQYU	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
39R69P	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
3CPQVL	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
3M233N	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

3QPATC	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
3TPM74	PowerPlex® DNA-17					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
3WTA7M	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
3Y2J3Q	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
449A6W	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
48VU7U	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
49ZNFZ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

4GWGXR	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
4HWCNP	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
4LT6DD	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
4W9VFP	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
4ZA2TA	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
4ZCLNP	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
639U4K	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

63AJCM	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
63U8UH	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
67UCNQ	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6ANL73	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6AWCNM	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6GQLRQ	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
6JJFMA	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

## Item 2 - STR Results

6K8XFU	PowerPlex® Fusion, Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	NT
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17	NT	
6LKFPF	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6MGRRM	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6PKRLR	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6QG3MM	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6R9D73	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
6TNAX2	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		



TABLE 2

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

## Item 2 - STR Results

6W9A7V	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
6Y8QAC	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
7A9D29	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
7ANWL7	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
7AQLTN	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
7GPVDV	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
7J9D7Z	ESI-17 Fast					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					

TABLE 2

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

Item 2 - STR Results

7VAJDL	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
7VLD3U	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31		X,Y	11,12
	23,26				6,7	8,9
	16					
7WZTN	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
82BZJK	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
82T46Z	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
86AMPU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	Not tested
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	Not tested	Not tested	16,24.2	6,7	8,9
	16,16	10	Not tested	Not tested	2	
86QKHU	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

## Item 2 - STR Results

88GUDG	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
8B2LPJ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
8E2WKJ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
8F9CRP	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
8JTYTP	Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
8NLD3R	PowerPlex® Fusion 5C, 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
8QC899	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					

TABLE 2

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

Item 2 - STR Results

8QQWCL	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
8UE9BQ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
8VPAWP	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
997ML6	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
9AKPWJ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
9DHEVH	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
9EWUDQ	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	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

9VYL4T	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
9Y2DMR	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	9
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
9YF2F7	Investigator® 24plex					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
9YGTEE	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
A4NT3P	PowerPlex® 6C, GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17	2	
A6NKGK	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
ADA3KQ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	NT
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	NT	NT	16,24.2	6,7	8,9
	16,16	10	NT	NT	2	

TABLE 2

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

Item 2 - STR Results

AEPLYF	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
AHBU26	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
AJZCUP	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
ANFTEF	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ATM9ZW	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
AUX9WQ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
AVYYBL	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

Item 2 - STR Results

AXFAYQ	PowerPlex® Fusion 5C, 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
AXXJRQ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	NA
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	NA	NA	16,24.2	6,7	8,9
	16,16	10	NA	NA	2	
AYXA8L	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
B3P2Q3	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
B7FXKN	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
B8NB3P	GlobalFiler™ (STRmix v2.4)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
B9HZ7J	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

## Item 2 - STR Results

BBLHJT	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
BCWK6R	GlobalFiler™ (LRmix Studio version 2.1.3)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
BE6QTE	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
BJZKQF	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
BL9P7P	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
BMW962	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
BNVA8M	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

BRVK22	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
BUGB4R	PowerPlex® 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
BWLX3P	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
BZ6YYW	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
C4224N	PowerPlex® Fusion 6C (CODIS)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
C43THJ	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
CCUGNM	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

CD9P7M	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
CG923M	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
CJDFLM	Investigator® 24plex GO!					
	14,18.3	17,25	10,15	17,18	9,11	n/a
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	n/a	n/a	16,24.2	6,7	8,9
	16,16	10	n/a	n/a	n/a	
CLGB6P	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
CMFCD3	PowerPlex® Fusion 6C (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
CNK7NT	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
CTL2YG	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

CY887M	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31		X,Y	11,12
	23,26				6,7	8,9
	16					
CZ2TYE	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
D3JF3L	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
D8GMYG	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
D8ULKD	GlobalFiler™, MiniFiler					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
DHHBQE	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
DJDTRF	PowerPlex® Fusion 6c Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

## Item 2 - STR Results

DJPPXK	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
DKL2YE	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
DLDBHU	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
DQ887L	PowerPlex® ESI 17					
	14,18.5	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
DR8YLG	PowerPlex® 21					
	14,18.3	17,25		17,18	9,11	11,18
2	10,11	15,16		23,24	11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16,16					
DTX3C3	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
DTYUAB	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

Item 2 - STR Results

DTZM9H	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
EFAHAK	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
EGFZ8F	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
EGHPFJ	PowerPlex® Fusion 5C (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
EHEA2X	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
ERYEBH	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ETVPCD	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

F3AFYM	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
F49F29	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
F7WPG2	PowerPlex® 16 ESI FAST					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26				6,7	
	16,16					
FGCUAJ	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
FJMH7C	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
FL8N8K	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
FRDA7P	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

FWARTG	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
G2EWXL	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
G4KJ7K	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
G62PVA	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
G92XYK	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
GARY69	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
GAX92E	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

GJDA7M	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
GLLC3J	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
GLPYGC	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
GMZJN2	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
GNDBGH	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
GP82MW	PowerPlex® Fusion 6C (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
GT264H	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

GVCX7W	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
GYWPHY	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
H6EMG7	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
H6WJXD	Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
HXCQN9	GlobalFiler™ (STRmix v2.5.11)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
HE8LJD	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
HG6DZP	GlobalFiler™ Express (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

HHLNYH	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
HQU6LG	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31		X,Y	11,12
	23,26				6,7	8,9
	16					
HT39HE	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
HTZHCV	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
HUEWXX	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
HY9UMB	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
J2CWWD	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

Item 2 - STR Results

J2PTYW	Identifiler®					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
J78LJC	Identifiler®, GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
J8XYTG	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
J96DZM	ESI-17FAST					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
JJ8PGB	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
JKPE8H	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
JKZHCU	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

Item 2 - STR Results

JNLAFJ	Investigator® 24plex QS (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10				
JPCBL8	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
JQRU76	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
JTF4LX	PowerPlex® ESX 17 Fast System					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16					
JWWJXB	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
JY92DA	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
K4ECMF	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

K96MWD	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
K9KXKK	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
KC8K87	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
KEBAL9	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
KGKANU	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
KHVCDE	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
KJRNE9	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

KNWB2H	GlobalFiler™ (TrueAllele)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
KPT6L9	PowerPlex® 21					
	14,18.3	17,25		17,18	9,11	11,18
2	10,11	15,16		23,24	11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16,16					
KTABQT	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
KTCWWB	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
KTDL9	GlobalFiler™ Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
KYHPQ7	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
KZV3TH	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		

TABLE 2

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

Item 2 - STR Results

L2KWKH	PowerPlex® Fusion, GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26				6,7	8,9
	16					
L8RGUA	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
LCYUPL	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
LDEDAJ	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
LGWB3F	PowerPlex® ESI 16 FAST					
	14,18.3	17,25	10,15	17,18		
2		15,16	12	23,24		10,11
	13,17	14,16.2	31	15,16	X,Y	
	23,26				6,7	
	16					
LH6NJH	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
LUZW67	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

LXLLPH	NGM DETECT™					
	14,18.3	17,25	10,15	17,18		
2		15,16	12,12	23,24		10,11
	13,17	14,16.2	31,31	15,16	X,Y	
	23,26			16,24.2	6,7	
	16,16				2	
M2YQWC	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
M6YUQK	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
MACQEU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
MHT6L7	PowerPlex® Fusion 6C Direct					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
MLM86C	PowerPlex® Fusion 6C, 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
MMX6HU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2		15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

MQWGDU	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16,16	10				
MW6PWJ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
MWMQNR	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
N7PFWF	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
N83VGA	Investigator® 24plex GO! (TrueAllele)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
NBYTEE	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ND9J4J	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		

TABLE 2

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

## Item 2 - STR Results

NFX6HR	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
NJECXE	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
NJWGER	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
NJY2A8	Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
NUC7G4	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
NZG8DQ	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
NZHZBY	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

NZJRA8	Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
P3LVU2	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
P6TDX	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
PA4J94	Identifiler®, GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
PCDD8P	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
PEG9QR	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
PLGNFZ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

PM73EA	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
PR4MLE	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
PTJRA6	Identifiler®, GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
PYMG8C	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
PZC66X	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
Q8VKMA	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
QBUVHA	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31		X,Y	11,12
	23,26				6,7	8,9
	16					

TABLE 2

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

## Item 2 - STR Results

QE9TNB	PowerPlex® Fusion 6C (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
QF4CRX	GlobalFiler™ Express (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
QFL32H	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
QJ76RN	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
QKECW3	PowerPlex® 21					
	14,18.3	17,25		17,18	9,11	11,18
2	10,11	15,16		23,24	11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16,16					
QN2UG9	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
QNHX22	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

QPVKK2	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
QR23JX	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
QTA6JB	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
QVLVZ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
R3UVJ8	PowerPlex® Fusion5C, Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
R62BQD	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
RB9RAZ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

RDCPH8	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
RENC99	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	NT
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	NT	NT	16,24.2	6,7	8,9
	16	10	NT	NT	2	
RFHX2Z	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
RJ23JV	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
RJZALM	PowerPlex® Fusion 5C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
RTBC8N	PowerPlex® Fusion					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16	10				
RTC66W	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

RVBPM2	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
T2YHL8	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
T3AJE8	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
T3PWWD	Investigator® 24plex					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10				
T9XGNF	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
TEHG38	PowerPlex® Fusion 6C (Familias3)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	14,24.2	6,7	8,9
	16,16	10	19	17		
TGQKY6	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

TP72W7	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
TT6DT7	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
TUY4WY	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
TXJBX8	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
U36G7E	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
U3P4T4	Investigator® 24plex GO!					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
U7TYC7	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

U8ZGA2	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
U9FHD4	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
UHKTJT	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
UHY7W6	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
UMDUJM	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
UZYAML	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
V4XPQ4	Investigator® 24plex GO!					
	14,18.3	17,25	10,15	17,18	9,11	N/A
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	N/A	N/A	16,24.2	6,7	8,9
	16,16	10	N/A	N/A	N/A	

TABLE 2

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

## Item 2 - STR Results

V4YJAA	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
V9PWCW	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
VAKTKR	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
VHZ63Y	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
VLXPPV	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
VZEUQW	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
W2PWCV	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

W7GCQU	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
WC9GKX	Investigator® 24plex QS					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10				
WEFG2Y	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
WMNBVR	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
WPEHD3	GlobalFiler™ (STRMIX)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
WPRXH4	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
WREUQU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

WWANNV	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
X227NT	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
X3WPPU	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
X6K2PZ	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
XAFRXW	PowerPlex® 21					
	14,18.3	17,25		17,18	9,11	11,18
2	10,11	15,16		23,24	11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26	10,11	10,16		6,7	8,9
	16,16					
XDHQ9P	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
XJHCX4	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		

TABLE 2

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

Item 2 - STR Results

XKWNR3	Identifiler® Direct					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31		X,Y	11,12
	23,26				6,7	8,9
	16					
XQ43KY	PowerPlex® Fusion 6C (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
XY9DZ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
XZUJEU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
Y2KAVT	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
Y3C6H2	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16,16	10	19	17		
Y6EF44	Investigator® 24plex QS (STRMIX)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

Y6JH7V	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
YAW9NJ	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
YE2EV9	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
YG9M9Z	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
YGU3FP	Identifiler® Plus					
		17,25		17,18	9,11	
2	10,11	15,16			11,12	10,11
	13,17	14,16.2	31,31		X,Y	11,12
	23,26				6,7	8,9
	16,16					
YJ3DDE	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
YJ6XAU	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

YKCBRW	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
YQWKQT	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	10			2	
YUFERY	Investigator® 24plex GO!					
	14,18.3	17,25	10,15	17,18	9,11	n/a
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26	n/a	n/a	16,24.2	6,7	8,9
	16,16	10	n/a	n/a	n/a	
Z2YV6V	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
Z9D47W	GlobalFiler™ (STRmix)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
Z9XKMY	GlobalFiler™ (STRmix™)					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ZA9F9Q	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	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

ZARBTD	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26	10,11	10,16	16,24.2	6,7	8,9
	16	10	19	17		
ZL3QQ7	PowerPlex® Fusion 6C					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ZQGEDN	GlobalFiler™ Express					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12	23,24	11,12	10,11
	13,17	14,16.2	31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16	10			2	
ZUCE46	GlobalFiler™					
	14,18.3	17,25	10,15	17,18	9,11	
2	10,11	15,16	12,12	23,24	11,12	10,11
	13,17	14,16.2	31,31	15,16	X,Y	11,12
	23,26			16,24.2	6,7	8,9
	16,16	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

269H9Y	GlobalFiler™					
	13,15,17.3	17,19,20	10,[11],[14]	16,17	9,12	
3	10,11	13,14,15,16	[13],15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
29RMQU	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
2BZPQ8	GlobalFiler™ (STRmix v2.4.06)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
2DGC3Q	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
2FPFYN	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
2HGEDL	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
2N629R	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

Item 3 - STR Results

2V233Q	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
33ZPR6	PowerPlex® ESI 17 Fast System (In casework, I would use LiRa 2.0)					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
36LT2N	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
38CQYU	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
39R69P	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
3CPQVL	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
3M233N	GlobalFiler™ (STRmix v.2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,14,15	17.3,18,22,23	9,11,12,13	11,12,13,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17,18	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

3QPATC	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
3TPM74	PowerPlex® ESI-17					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,[21],22,23		11,12,14
	12,15,17,18,[19]	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
3WTA7M	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
449A6W	Identifiler®					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
48VU7U	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
49ZNFZ	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
4GWGXR	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

4HWCNP	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
4LT6DD	GlobalFiler™					
	[13],15,17.3	17,[19],20	10,[11],14	16,17	9,12	
3	10,11	[13],14,15,[16]	13,15	17.3,18,[22],[23]	[9],11,[12],13	[11],12,14
	12,15,[17],[18]	[12],13,[14]	28,[30],[31],31.2	15,16,17	X,[Y]	9,[10],[11],12
	19,21,[22],[24]			18,30.2	7,8	8
	14,[16],17	10			2	
4W9VFP	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
4ZA2TA	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
4ZCLNP	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
639U4K	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
63AJCM	GlobalFiler™, MiniFiler					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

63U8UH	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6ANL73	GlobalFiler™ (STRmix 2.4.06)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6AWCNM	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6GQLRQ	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
6JJFMA	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
6K8XFU	PowerPlex® Fusion, Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	NT
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17	NT	
6LKFRP	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

6MGRRM	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6PKRLR	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6QG3MM	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
6R9D73	Identifiler® Plus					
		17,[19],20		16,17	9,12	
3	10,11	[13],14,15,[16]			[9],11,[12],13	[11],12,14
	12,15	[12],13,13,[14]	28,[30,31],31.2		X,X,[Y]	9,[11],12
	19,21,[22]				7,8	8,8
	14,[16],17					
6TNAX2	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
6Y8QAC	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
7A9D29	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

Item 3 - STR Results

7ANWL7	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
7AQLTN	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
7GPVDV	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
7J9D7Z	ESI-17 Fast (DNA LiRa 2.0)					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
7VAJDL	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
7VLD3U	Identifiler® Plus (DNA VIEW ver37.33)					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
7WZTN	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

82BZJK	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
82T46Z	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24 ^	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
86AMPU	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	Not tested
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	Not tested	Not tested	18,30.2	7,8	8
	14,16,17	10	Not tested	Not tested	2	
86QKHU	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
88GUDG	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
8B2LPJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
8E2WKJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

8F9CRP	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
8JTYTP	Investigator® 24plex QS (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
8NLD3R	PowerPlex® Fusion 5C, 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
8QC899	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
8QQWCL	PowerPlex® Fusion 6C (STRMIX)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
8UE9BQ	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
8VPAWP	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

997ML6	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
9AKPWJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
9DHEVH	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
9EWUDQ	PowerPlex® Fusion 5C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
9VYL4T	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
9YF2F7	Investigator® 24plex (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
9YGTEE	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

A4NT3P	PowerPlex® 6C, GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17	2	
A6NKGK	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
ADA3KQ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	NT
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	NT	NT	18,30.2	7,8	8
	14,16,17	10	NT	NT	2	
AEBLYF	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
AHBU26	PowerPlex® Fusion 6C (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8,8
	14,16,17	10	17	17		
AJZCUP	GlobalFiler™ (STRmix 2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
ANFTEF	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

ATM9ZW	PowerPlex® Fusion 6C					
	[13],15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	[13],14,15,[16]	13,15	17.3,18,[22],23	9,11,12,13	11,12,14
	12,15,[17,18]	12,13,[14]	28,30,[31],31.2	15,16,17	X,Y	9,10,[11],12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
AVYYBL	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
AXFAYQ	PowerPlex® Fusion 5C, 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
AXXRQ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	NA
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	NA	NA	18,30.2	7,8	8,8
	14,16,17	10	NA	NA	2	
AYXA8L	PowerPlex® Fusion 6C (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
B3P2Q3	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
B7FXKN	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

B8NB3P	GlobalFiler™ (STRmix v2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
B9HZ7J	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
BBLHJT	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
BCWK6R	GlobalFiler™ (LRmix Studio version 2.1.3)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
BE6QTE	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
BJZKQF	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
BL9P7P	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

BMW962	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
BNVA8M	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
BRVK22	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
BUGB4R	PowerPlex® 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
BWLX3P	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
BZ6YYW	Identifiler® Plus					
		17,[19],20		16,17	9,12	
3	10,11	[13],14,15,[16]			[9],11,[12],13	[11],12,14
	12,15,[17],18	[12],13,13,[14]	28,[30,31],31.2		X,X,[Y]	9,[10,11],12
	19,21,[22,24]				7,8	8,8
	14,[16],17					
C4224N	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

C43THJ	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
CCUGNM	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CD9P7M	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CG923M	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CJDFLM	Investigator® 24plex QS					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	n/a
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	n/a	n/a	18,30.2	7,8	8
	14,16,17	10	n/a	n/a	n/a	
CLGB6P	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CMFCD3	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		



TABLE 2

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

## Item 3 - STR Results

CNK7NT	GlobalFiler™ (STRmix 2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CTL2YG	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
CY887M	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
CZ2TYE	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
D3JF3L	GlobalFiler™ (STRmix v 2.4.06)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
D8GMYG	Identifiler® Plus, PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
D8ULKD	GlobalFiler™, MiniFiler					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

DHHBQE	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
DJDTRF	PowerPlex® Fusion 6c (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
DJPPXK	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
DKL2YE	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
DLDBHU	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
DQ887L	PowerPlex® ESI 17					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
DR8YLG	PowerPlex® 21					
	13,15,17.3	17,19,20		16,17	9,12	11,12,18
3	10,11	13,14,15,16		17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	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 3 - STR Results

DTX3C3	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
DTYUAB	PowerPlex® Fusion 6C (STRmix)					
	[13],15,17.3	17,[19],[20]	10,[11],[14]	16,17	9,12	
3	10,11	13,14,15,16	[13],15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,[14]	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24	13,14	[7],12,13	18,30.2	7,8	8
	14,[16],17	10	17	17		
DTZM9H	Investigator® 24plex QS (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
EFAHAK	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
EGFZ8F	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
EGHPFJ	PowerPlex® Fusion 5C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
EHEA2X	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

## Item 3 - STR Results

ERYEBH	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
ETVPCD	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
F3AFYM	GlobalFiler™ (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
F49F29	GlobalFiler™ (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
F7WPG2	PowerPlex® 16 ESI Fast					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24				7,8	
	14,16,17					
FGCUAJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
FJMH7C	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

FL8N8K	Identifiler®					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
FQMWWJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
FRDA7P	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
FWARTG	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
G2EWXL	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
G4KJ7K	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
G62PVA	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

G92XYK	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
GARY69	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
GAX92E	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
GJDA7M	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
GLLC3J	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
GLPYGC	Identifiler® Plus, PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
GMZJN2	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

GNDBGH	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
GP82MW	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
GT264H	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
GVCX7W	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
GYWPHY	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
H6EMG7	GlobalFiler™					
	[13],15,17.3	17,[19],20	10,[11],14	16,17	9,12	
3	10,11	[13],14,15,[16]	13,15	17.3,18,[22],[23]	[9],11,[12],13	[11],[12],[14]
	12,15,[17],[18]	[12],13,[14]	28,[30],[31],31.2	[15],[16],[17]	X,[Y]	[9],[10],[11],[12]
	19,21,[22],[24]			18,30.2	7,8	8
	14,[16],17	[10]			[2]	
H6WJXD	Investigator® 24plex QS (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	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 3 - STR Results

HXCQN9	GlobalFiler™ (STRmix v2.5.11)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
HE8LJD	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
HG6DZP	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
HHLNYH	PowerPlex® Fusion 6C (STRmix v2.5)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
HQU6LG	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
HT39HE	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
HTZHCV	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8,8
	14,16,17	10	17	17		



TABLE 2

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

Item 3 - STR Results

HUEWXK	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
HY9UMB	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
J2CWWD	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
J2PTYW	Identifiler®					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	18,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
J8XYTG	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
J96DZM	ESI-17FAST					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
JJ8PGB	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

JKPE8H	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
JKZHCU	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
JNLAFJ	Investigator® 24plex QS (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
JPCBL8	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
JQRU76	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
JTF4LX	PowerPlex® ESX 17 Fast System					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17					
JY92DA	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

Item 3 - STR Results

K4ECMF	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
K96MWD	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
K9KXKK	GlobalFiler™ (STRmix 2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KC8K87	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KEBAL9	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
KGKANU	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
KHVCDE	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

KJRNE9	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KNWB2H	GlobalFiler™ (TrueAllele)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KPT6L9	PowerPlex® 21 (STRmix)					
	13,15,17.3	17,19,20		16,17	9,12	11,12,18
3	10,11	13,14,15,16		17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17					
KTABQT	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
KTCWWB	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KTDL9	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
KYHPQ7	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

KZV3TH	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
L2KWKH	PowerPlex® Fusion, GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
L8RGUA	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
LCYUPL	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
LDEDAJ	PowerPlex® Fusion 5C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
LGWB3F	PowerPlex® ESI 16 FAST (LR MIX STUDIO 2.0)					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
		12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24				7,8	
	14,16,17					
LH6NJH	GlobalFiler™ (STRMix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

LUZW67	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
LXLLPH	NGM DETECT™					
	13,15,17.3	17,19,20	10,11,14	16,17		
3		13,14,15,16	13,15	17.3,18,22,23		11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	
	19,21,22,24			18,30.2	7,8	
	14,16,17				2	
M2YQWC	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
M6YUQK	GlobalFiler™ (eDNA Bullet)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
MACQEU	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
MHT6L7	PowerPlex® Fusion 6C (STRMIX)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
MLM86C	PowerPlex® Fusion 6C, 5C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

## Item 3 - STR Results

MMX6HU	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
MQWGDU	PowerPlex® Fusion 5C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
MW6PWJ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
MWMQNR	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
N7PFWF	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
N83VGA	Investigator® 24plex QS (TrueAllele)					
	[13],15,17.3	17,19,20	10,[11],14	16,17	9,12	
3	10,11	13,14,15,[16]	13,15	17.3,18,[22],[23]	[9],11,12,13	11,12,14
	12,15,[17],[18]	[12],13,[14]	28,30,31,31.2	15,16,17	X,[Y]	9,[10],[11],12
	19,21,[22],[24]			18,30.2	7,8	8
	14,[16],17	10				
NBYTEE	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

ND9J4J	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17^,18^	12,13,14^	28,30,31,31.2	15,16,17	X,Y	9,10^,11,12
	19,21,22^,24^	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
NFX6HR	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
NJECXE	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
NJWGER	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
NJY2A8	Investigator® 24plex QS (STRmix v2.6)					
	13,14,15,16.3,17.3	16,17,19,20	9,10,11,13,14	15,16,17	8,9,11,12	
3	9,10,11	13,14,15,16	12,13,14,15	17.3,18,22,23	9,11,12,13	11,12,13,14
	12,15,17,18	12,13,14	28,30,31,31.2	14,15,16,17,18	X,Y	9,10,11,12
	19,21,22,24			17,17.2,18,29.2,30,30.2	7,8	7,8
		10				
NUC7G4	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
NZG8DQ	PowerPlex® Fusion 5C					
	13,15,17.3	17,[19,20]	10,[11,14]	16,17	9,12	
3	10,11	13,14,15,16	[13],15	17.3,18,22,23	9,11,12,13	[11],12,[14]
	12,15,17,18	12,13,[14]	[28],30,31,[31.2]	15,16,[17]	X,[Y]	9,10,11,12
	19,21,22,24	13,14	[7,12],13		7,8	8
	14,16,17	10				



TABLE 2

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

## Item 3 - STR Results

NZHZBY	GlobalFiler™ (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2		
NZJRA8	Investigator® 24plex QS (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10					
P3LVU2	GlobalFiler™						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2		
P6TDX	PowerPlex® Fusion 6C						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24	13,14	7,12,13	18,30.2	7,8	8,8
	14,16,17	10	17	17			
PCDD8P	PowerPlex® Fusion 6C						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17			
PEG9QR	GlobalFiler™						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2		
PLGNFZ	GlobalFiler™						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	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

PM73EA	GlobalFiler™ (STRmix 2.6.3)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
PR4MLE	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
PZC66X	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
Q8VKMA	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
QBUVHA	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
QE9TNB	PowerPlex® Fusion 6C (STRMIX)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
QF4CRX	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

QFL32H	PowerPlex® Fusion 5C					
	13,15,17.3	17,[19],[20]	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	[12],13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
QJ76RN	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
QKECW3	PowerPlex® 21					
	13,15,17.3	17,19,20		16,17	9,12	11,12,18
3	10,11	13,14,15,16		17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8,8
	14,16,17					
QN2UG9	PowerPlex® Fusion 5C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17	10				
QNHX22	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
QPVKK2	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
QR23JX	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

QTA6JB	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
QVLVZ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
R3UVJ8	PowerPlex® Fusion5C, Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
R62BQD	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
RB9RAZ	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
RDCPH8	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
RENC99	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	NT
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	NT	NT	18,30.2	7,8	8
	14,16,17	10	NT	NT	2	

TABLE 2

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

## Item 3 - STR Results

RFHX2Z	GlobalFiler™ (STRmix v2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
RJ23JV	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
RJZALM	PowerPlex® Fusion 5C					
	[13,15],17.3	17,[19,20]	10,[11],14	16,17	9,12	
3	10,11	[13],14,15,[16]	[13],15	17.3,18,22,[23]	9,11,[12],13	[11],12,14
	12,[15,17,18]	[12],13,[14]	28,30,[31],31.2	15,16,17	X,[Y]	9,10,[11,12]
	19,21,[22,24]	13,14	[7,12],13		7,8	8
	14,[16],17	10				
RTBC8N	PowerPlex® Fusion					
	[13,15],17.3	17,[19,20]	10,[11],14	16,17	9,12	
3	10,11	[13],14,15,[16]	[13],15	17.3,18,22,[23]	9,[11],12,13	[11],12,[14]
	12,15,[17,18]	[12],13,[14]	28,30,[31],31.2	15,16,17	X,[Y]	9,[10],11,12
	19,21,[22,24]	13,14	[7,12],13		7,8	8
	[14,16],17	10				
RTC66W	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
RVBPM2	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
T2YHL8	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

T3AJE8	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
T3PWWD	Investigator® 24plex (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
T9XGNF	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
TEHG38	PowerPlex® Fusion 6C (LRMixStudio)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,13,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8,8
	14,16,17	10	17	17		
TGQKY6	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
TP72W7	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
TT6DT7	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		

TABLE 2

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

Item 3 - STR Results

TUY4WY	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
TXJBX8	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
U36G7E	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
U3P4T4	Investigator® 24plex QS					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				
U7TYC7	Identifiler®					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
U8ZGA2	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
U9FHD4	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

UHKTJT	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
UHY7W6	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
UMDUJM	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
UZYAML	PowerPlex® Fusion 6C					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
V4XPQ4	Investigator® 24plex QS					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	N/A
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,13,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	N/A	N/A	18,30.2	7,8	8
	14,16,17	10	N/A	N/A	N/A	
V4YJAA	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
	19,21,22,24				7,8	8
	14,16,17					
V9PWCW	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	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

VAKTKR	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
VHZ63Y	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
VLXPPV	PowerPlex® Fusion 6C (STRmix)					
	[13],15,17.3	17,[19],20	10,[11],[14]	16,17	9,12	
3	10,11	13,14,15,[16]	13,15	17.3,18,[22],[23]	[9],11,12,13	[11],12,14
	12,15,17,[18]	[12],13,[14]	28,[30],[31],31.2	15,16,17	X,[Y]	9,[10],[11],12
	19,21,22,24	13,14	[7],[12],13	18,30.2	7,8	8
	14,[16],17	10	17	17		
VZEUQW	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
W2PWCV	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
W7GCQU	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
WC9GKX	Investigator® 24plex QS (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10				

TABLE 2

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

## Item 3 - STR Results

WEFG2Y	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
WMNBVR	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
WPEDH3	GlobalFiler™ (STRMIX)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	[10]			2	
WPRXH4	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
WREUQU	GlobalFiler™ (STRmix v2.4)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
WWANNV	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
X227NT	PowerPlex® Fusion 6C (STRmix)					
	[13],[15],17.3	17,[19],20	10,[11],14	16,17	9,12	
3	10,11	[13],14,15,[16]	[13],15	17.3,18,22,[23]	[9],11,12,13	11,12,14
	12,15,[17],18	[12],13,[14]	28,[30],[31],31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,[22],24	13,14	[7],[12],13	18,30.2	7,8	8
	14,[16],17	10	17	17		

TABLE 2

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

## Item 3 - STR Results

X3WPPU	GlobalFiler™ (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2		
X6K2PZ	GlobalFiler™ (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2		
XAFRXW	PowerPlex® 21 (STRmix v2.4.06)						
		13,15,17.3	17,19,20		16,17	9,12	11,12,18
	3	10,11	13,14,15,16		17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
		19,21,22,24	13,14	7,12,13		7,8	8
	14,16,17						
XDHQ9P	GlobalFiler™ (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2		
XJHCX4	PowerPlex® Fusion 6C						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17			
XKWNR3	Identifiler® Plus						
			17,19,20		16,17	9,12	
	3	10,11	13,14,15,16			9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2		X,Y	9,10,11,12
		19,21,22,24				7,8	8
	14,16,17						
XQ43KY	PowerPlex® Fusion 6C (STRmix)						
		13,15,17.3	17,19,20	10,11,14	16,17	9,12	
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
		19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17			

TABLE 2

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

## Item 3 - STR Results

XYY9DZ	GlobalFiler™ (STRmix)					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	10			2	
XZUJEU	GlobalFiler™ (STRmix)					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	10			2	
Y2KAVT	GlobalFiler™					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	10			2	
Y3C6H2	PowerPlex® Fusion 6C (STRMIX)					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24	13,14	7,12,13	18,30.2	7,8
	14,16,17	10	17	17		
Y6EF44	Investigator® 24plex QS (STRMIX)					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	10				
Y6JH7V	GlobalFiler™					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	10			2	
YAW9NJ	GlobalFiler™					
		13,15,17.3	17,19,20	10,11,14	16,17	9,12
	3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13
		12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y
		19,21,22,24			18,30.2	7,8
	14,16,17	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

YE2EV9	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
YG9M9Z	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
YGU3FP	Identifiler® Plus					
		17,19,20		16,17	9,12	
3	10,11	13,14,15,16			9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2		X,X,Y	9,10,11,12
	19,21,22,24				7,8	8,8
	14,16,17					
YJ3DDE	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
YJ6XAU	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
YQWKQT	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8,8
	14,16,17	10			2	
YUFERY	Investigator® 24plex QS					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	n/a
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	n/a	n/a	18,30.2	7,8	8
	14,16,17	10	n/a	n/a	n/a	

TABLE 2

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

## Item 3 - STR Results

Z2YV6V	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
Z9D47W	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
Z9XKMY	GlobalFiler™ (STRmix™)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
ZA9F9Q	GlobalFiler™ (STRMIX)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
ZARBTD	PowerPlex® Fusion 6C (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24	13,14	7,12,13	18,30.2	7,8	8
	14,16,17	10	17	17		
ZL3QQ7	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,[Y]	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	
ZQGEDN	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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

ZUCE46	GlobalFiler™ (STRmix v 2.4.06)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	

TABLE 2

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

Item 3e - STR Results

AUX9WQ	GlobalFiler™ (STRmix)					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3e	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	10			2	

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PYMG8C	GlobalFiler™					
	13,15,17.3	17,19,20	10,11,14	16,17	9,12	
3e	10,11	13,14,15,16	13,15	17.3,18,22,23	9,11,12,13	11,12,14
	12,15,17,18	12,13,14	28,30,31,31.2	15,16,17	X,Y	9,10,11,12
	19,21,22,24			18,30.2	7,8	8
	14,16,17	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 3sp - STR Results

AUX9WQ	GlobalFiler™ (STRmix)					
	15	17,20	10,14		9	
3sp	11		13,15		9,12	
	15	14		15,16	X,Y	11
	19,21,22,24			18,30.2	7,8	8
	17					

PYMG8C	GlobalFiler™					
3sp	[Redacted]					
	[Redacted]					

TABLE 2

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

269H9Y	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	No Result			No Result	
29RMQU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
2BZPQ8	GlobalFiler™ (STRmix v2.4.06)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
2DGC3Q	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
2FPFYN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
2HGEDL	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
2N629R	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

2V233Q	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
33ZPR6	PowerPlex® ESI 17 Fast System					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
36LT2N	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
38CQYU	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
39R69P	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
3CPQVL	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
3M233N	GlobalFiler™ (STRmix v.2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no 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 4 - STR Results

3QPATC	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
3TPM74	PowerPlex® DNA-17					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
3WTA7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
449A6W	Identifiler®					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X	9,12
	19,21				7,8	8
	14,17					
48VU7U	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
49ZNFZ	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
4GWGXR	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

4HWCNP	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
4LT6DD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
4W9VFP	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
4ZA2TA	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
4ZCLNP	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
639U4K	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
63AJCM	GlobalFiler™, MiniFiler					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

63U8UH	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
6ANL73	GlobalFiler™ (STRmix 2.4.06)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6AWCNM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6GQLRQ	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
6JJFMA	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
6K8XFU	PowerPlex® Fusion, Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	NT
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR	NT	
6LKFPF	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

6MGRRM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6PKRLR	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6QG3MM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
6R9D73	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
6TNAX2	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
6Y8QAC	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7A9D29	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

7ANWL7	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
7AQLTN	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7GPVDV	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
7J9D7Z	ESI-17 Fast					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
7VAJDL	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
7VLD3U	Identifiler® Plus (DNA VIEW ver37.33)					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
7WZTN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

82BZJK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
82T46Z	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
86AMPU	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	Not tested
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	Not tested	Not tested	18,30.2	7,8	8,8
	14,17	No results	Not tested	Not tested	No results	
86QKHU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
88GUDG	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
8B2LPJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8E2WKJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

8F9CRP	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
8JTYTP	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8NLD3R	PowerPlex® Fusion 5C, 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
8QC899	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
8QQWCL	PowerPlex® Fusion 6C (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
8UE9BQ	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
8VPAWP	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

997ML6	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
9AKPWJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
9DHEVH	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
9EWUDQ	PowerPlex® Fusion 5C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
9VYL4T	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
9YF2F7	Investigator® 24plex (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
9YGTEE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

A4NT3P	PowerPlex® 6C, GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
A6NKGK	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
ADA3KQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NT
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	NT	NT	18,30.2	7,8	8,8
	14,17	NR	NT	NT	NR	
AEBLYF	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
AHBU26	PowerPlex® Fusion 6C (STRMix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
AJZCUP	GlobalFiler™ (STRmix 2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
ANFTEF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

ATM9ZW	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
AVYYBL	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
AXFAYQ	PowerPlex® Fusion 5C, 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
AXXJRQ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NA
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	NA	NA	18,30.2	7,8	8,8
	14,17	ND	NA	NA	ND	
AYXA8L	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
B3P2Q3	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
B7FXKN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

B8NB3P	GlobalFiler™ (STRmix v2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
B9HZ7J	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BBLHJT	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
BCWK6R	GlobalFiler™ (LRmix Studio version 2.1.3)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
BE6QTE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BJZKQF	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BL9P7P	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

BMW962	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BNVA8M	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
BRVK22	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BUGB4R	PowerPlex® 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
BWLX3P	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
BZ6YYW	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
C4224N	PowerPlex® Fusion 6C (CODIS)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	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 4 - STR Results

C43THJ	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
CCUGNM	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
CD9P7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CG923M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CJDFLM	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	n/a
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	n/a	n/a	18,30.2	7,8	8,8
	14,17	n/a	n/a	n/a	n/a	
CLGB6P	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
CMFCD3	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

CNK7NT	GlobalFiler™ (STRmix 2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
CTL2YG	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
CY887M	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
CZ2TYE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
D3JF3L	GlobalFiler™ (STRmix v 2.4.06)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No result			No result	
D8GMYG	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
D8ULKD	GlobalFiler™, MiniFiler					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no result			no result	

TABLE 2

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

## Item 4 - STR Results

DHHBQE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
DJDTRF	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
DJPPXK	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
DKL2YE	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
DLDBHU	Essplex SE QS (GeneMapper® ID-X v 1.2)					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
DQ887L	PowerPlex® ESI 17					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
DR8YLG	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
4	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	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 4 - STR Results

DTX3C3	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
DTYUAB	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		
DTZM9H	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
EFAHAK	GlobalFiler™, MiniFiler (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
EGFZ8F	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
EGHPFJ	PowerPlex® Fusion 5C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
EHEA2X	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

ERYEBH	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ETVPCD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
F3AFYM	GlobalFiler™ (STRMix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
F49F29	GlobalFiler™ (STRMix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
F7WPG2	PowerPlex® 16 ESI Fast					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21				7,8	
	14,17					
FGCUAJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
FJMH7C	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

FL8N8K	Identifiler®					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X	9,12
	19,21				7,8	8
	14,17					
FQMWWJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
FRDA7P	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
FWARTG	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
G2EWXL	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
G4KJ7K	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
G62PVA	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

G92XYK	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GARY69	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
GAX92E	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
GJDA7M	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
GLLC3J	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GLPYGC	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
GMZJN2	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

GNDBGH	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
GP82MW	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
GT264H	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	N/R			N/R	
GVCX7W	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
GYWPHY	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
H6EMG7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NA			NA	
H6WJXD	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

HXCQN9	GlobalFiler™ (STRmix v2.5.11)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
HE8LJD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
HG6DZP	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
HHLNYH	PowerPlex® Fusion 6C (STRmix v2.5)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
HQU6LG	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
HT39HE	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
HTZHCV	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	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 4 - STR Results

HUEWXK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
HY9UMB	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
J2CWWD	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
J2PTYW	Identifiler®					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
J8XYTG	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
J96DZM	ESI-17FAST					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
JJ8PGB	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

JKPE8H	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	No Results			No Results	
JKZHCU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
JNLAFJ	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
JPCBL8	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
JQRU76	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
JTF4LX	PowerPlex® ESX 17 Fast System					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
JY92DA	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

K4ECMF	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
K96MWD	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
K9KXKK	GlobalFiler™ (STRmix 2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no result			no result	
KC8K87	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
KEBAL9	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
KGKANU	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
KHVCDE	GlobalFiler™, MiniFiler (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

KJRNE9	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
KNWB2H	GlobalFiler™ (TrueAllele)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KPT6L9	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
4	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
KTABQT	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
KTCWWB	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KTDLR9	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
KYHPQ7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

KZV3TH	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
L2KWKH	PowerPlex® Fusion, GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21				7,8	8
	14,17					
L8RGUA	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
LCYUPL	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
LDEDAJ	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
LGWB3F	PowerPlex® ESI 16 FAST (NO)					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
		13	28,31.2	15,17	X	
	19,21				7,8	
	14,17					
LH6NJH	GlobalFiler™ (STRMix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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 4 - STR Results

LUZW67	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
LXLLPH	NGM DETECT™					
	15,17.3	17,20	10,14	16,17		
4		14,15	13,15	17.3,18		12,14
	12,15	13,13	28,31.2	15,17	X,X	
	19,21			18,30.2	7,8	
	14,17					
M2YQWC	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
M6YUQK	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MACQEU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MHT6L7	PowerPlex® Fusion 6C (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
MLM86C	PowerPlex® Fusion 6C, 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

MMX6HU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	---			---	
MQWGDU	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17	ND				
MW6PWJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
MWMQNR	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
N7PFWF	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
N83VGA	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	no result				
NBYTEE	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

ND9J4J	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
NFX6HR	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJECXE	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJWGER	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
NJY2A8	Investigator® 24plex QS (STRmix v2.6)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
NUC7G4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
NZG8DQ	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	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 4 - STR Results

NZHZBY	GlobalFiler™ (STRmix)						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17	NR			NR		
NZJRA8	Investigator® 24plex QS (STRmix)						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
P3LVU2	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
P6DTX	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13,13	28,31.2	15,17	X,X	9,12
		19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17						
PCDD8P	PowerPlex® Fusion 6C						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21	13,14	13	18,30.2	7,8	8
	14,17						
PEG9QR	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	14,17						
PLGNFZ	GlobalFiler™						
		15,17.3	17,20	10,14	16,17	9,12	
	4	10,11	14,15	13,15	17.3,18	11,13	12,14
		12,15	13	28,31.2	15,17	X	9,12
		19,21			18,30.2	7,8	8
	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 4 - STR Results

PM73EA	GlobalFiler™ (STRmix 2.6.3)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
PR4MLE	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
PZC66X	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
Q8VKMA	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NR	NR	NR		
QBUVHA	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X	9,12
	19,21				7,8	8
	14,17					
QE9TNB	PowerPlex® Fusion 6C (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
QF4CRX	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

QFL32H	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,[16],17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
QJ76RN	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
QKECW3	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
4	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
QN2UG9	PowerPlex® Fusion 5C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
QNHX22	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
QPVKK2	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
QR23JX	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

QTA6JB	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
QVLVZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
R3UVJ8	PowerPlex® Fusion5C, Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
R62BQD	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
RB9RAZ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
RDCPH8	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	XX	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
RENC99	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	NT
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	NT	NT	18,30.2	7,8	8
	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 4 - STR Results

RFHX2Z	GlobalFiler™ (STRmix v2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No result			No result	
RJ23JV	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
RJZALM	PowerPlex® Fusion 5C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17	NT				
RTBC8N	PowerPlex® Fusion					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13		7,8	8
	14,17					
RTC66W	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
RVBPM2	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
T2YHL8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

T3AJE8	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13.2	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
T3PWWD	Investigator® 24plex (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
T9XGNF	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
TEHG38	PowerPlex® Fusion 6C (Familias3)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
TGQKY6	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
TP72W7	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
TT6DT7	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

TUY4WY	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
TXJBX8	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	no results			no results	
U36G7E	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
U3P4T4	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
U7TYC7	Identifiler®					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
U8ZGA2	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
U9FHD4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

UHKTJT	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
UHY7W6	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
UMDUJM	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
UZYAML	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
V4XPQ4	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	N/A
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	N/A	N/A	18,30.2	7,8	8,8
	14,17	N/A	N/A	N/A	N/A	
V4YJAA	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
V9PWCW	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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 4 - STR Results

VAKTKR	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
VHZ63Y	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
VLXPPV	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		
VZEUQW	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
W2PWCV	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	No Result			No Result	
W7GCQU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
WC9GKX	Investigator® 24plex QS (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

WEFG2Y	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
WMNBVR	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
WPEHD3	GlobalFiler™, MiniFiler (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
WPRXH4	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
WREUQU	GlobalFiler™ (STRmix v2.4)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no results	
WWANNV	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
X227NT	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17	NID	NID	NID		

TABLE 2

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

X3WPPU	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	NR			NR	
X6K2PZ	GlobalFiler™, MinFiler (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
XAFRXW	PowerPlex® 21					
	15,17.3	17,20		16,17	9,12	11,12
4	10,11	14,15		17.3,18	11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21	13,14	13,13		7,8	8,8
	14,17					
XDHQ9P	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
XJHCX4	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
XKWNR3	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13	28,31.2		X,X	9,12
	19,21				7,8	8
	14,17					
XQ43KY	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	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 4 - STR Results

XY9DZ	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
XZUJEU	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
Y2KAVT	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8
	14,17	NR			NR	
Y3C6H2	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	13,14	13,13	18,30.2	7,8	8,8
	14,17					
Y6EF44	Investigator® 24plex QS (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
Y6JH7V	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YAW9NJ	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

YE2EV9	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YG9M9Z	GlobalFiler™, MiniFiler (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
YGU3FP	Identifiler® Plus					
		17,20		16,17	9,12	
4	10,11	14,15			11,13	12,14
	12,15	13,13	28,31.2		X,X	9,12
	19,21				7,8	8,8
	14,17					
YJ3DDE	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
YJ6XAU	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
YQWKQT	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					
YUFERY	Investigator® 24plex QS					
	15,17.3	17,20	10,14	16,17	9,12	n/a
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21	n/a	n/a	18,30.2	7,8	8,8
	14,17	n/a	n/a	n/a	n/a	

TABLE 2

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

## Item 4 - STR Results

Z2YV6V	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
Z9D47W	GlobalFiler™ (STRmix)					
	15,17.3	17,20	10,14	16,17	19,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
Z9XKMY	GlobalFiler™, MiniFiler™ (STRmix™)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17	-			-	
ZA9F9Q	GlobalFiler™ (STRMIX)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ZARBTD	PowerPlex® Fusion 6C					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21	13,14	13	18,30.2	7,8	8
	14,17					
ZL3QQ7	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	14,17					
ZQGEDN	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13	28,31.2	15,17	X	9,12
	19,21			18,30.2	7,8	8
	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 4 - STR Results

ZUCE46	GlobalFiler™ (STRmix v 2.4.06)					
	15,17.3	17,20	10,14	16,17	9,12	
4	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17	no results			no 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 4e - STR Results

AUX9WQ

	15,17.3	17,20	10,14	16,17	9,12	
4e	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	14,17					

PYMG8C

	GlobalFiler™					
	15,17.3	17,20	10,14	16,17	9,12	
4e	10,11	14,15	13,15	17.3,18	11,13	12,14
	12,15	13,13	28,31.2	15,17	X,X	9,12
	19,21			18,30.2	7,8	8,8
	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 4sp - STR Results

AUX9WQ

17 10

4sp

15	13				X
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PYMG8C

GlobalFiler™

4sp

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# YSTR Amplification Kit(s) & Results

TABLE 3

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

## Item 1 - YSTR Results

86AMPU	Yfiler™ Plus								
1	No results	No results	No results	No results	No results	No results	No results	No results	No results
	No results	No results	No results	No results	No results	No results	No results	No results	No results
	No results	No results	Not tested	No results	No results	No results	No results	Not tested	No results
J78LJC	Yfiler™								
1									
JQRU76	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
LCYUPL	Yfiler™								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
MQWGDU	PowerPlex® Y 23								
1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND		ND	ND	ND
N7PFWF	Yfiler™								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
PA4J94	Yfiler™								
1									
PR4MLE	Yfiler™								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
PTJRA6	Yfiler™								
1									
V4YJAA	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

269H9Y	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
2FPFYN	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
2HGEDL	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
3QPATC	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
3WTA7M	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
48VU7U	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
4LT6DD	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
4ZA2TA	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
4ZCLNP	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
639U4K	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
63AJCM	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		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

63U8UH	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
6JFMA	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
6K8XFU	PowerPlex® Y 23								
2	NT	14	12,13	13	30	24	10	11	12
	16	9	12	20	NT	16	16	NT	22
	NT	11	13	19	17	NT	25	10	12
6LKFP	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
							25		12
6PKRLR	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
							25		12
6R9D73	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
6W9A7V	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
6Y8QAC	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
7A9D29	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
7ANWL7	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
7VAJDL	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

7VLD3U	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
7VWZTN	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
82BZJK	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
86AMPU	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11	Not tested	19	17	21	25	Not tested	12
86QKHU	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
8B2LPJ	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
8E2WKJ	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
8UE9BQ	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
8VPAWP	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
997ML6	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
9AKPWJ	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

9DHEVH	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
9Y2DMR	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
9YF2F7	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
9YGTEE	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
A4NT3P	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
A6NKGK	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
ADA3KQ	Yfiler™								
2	NT	14	12,13	13	30	24	10	11	12
	16	9	12	20	NT	16	16	NT	NT
	NT	NT	NT	NT	NT	NT	25	NT	12
AHBU26	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
ANFTEF	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
AXFAYQ	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
B7FXKN	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

BCWK6R	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
BE6QTE	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
BJZKQF	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
BMW962	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
BNVA8M	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
BRVK22	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
BUGB4R	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
BZ6YYW	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
C4224N									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
CCUGNM	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
CD9P7M	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

CMFCD3	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
CY887M	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
D3JF3L	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
DHHBQE	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
DJPPXK	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
DR8YLG	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
EFAHAK	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
EHEA2X	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
ERYEBH	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
F7WPG2	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
FJMH7C	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

FWARTG	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
G62PVA	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
GARY69	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
GAX92E	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
GMZJN2	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
GNDBGH	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
GP82MW	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
H6EMG7	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
HE8LJD	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
HHLNYH	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
HQU6LG	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		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

HY9UMB 2	Yfiler™								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		12
							25		
J78LJC 2	Yfiler™								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
J8XYTG 2	PowerPlex® Y 23								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
JKPE8H 2	PowerPlex® Y 23								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
JKZHCU 2	PowerPlex® Y 23								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
JNLAFJ 2	Yfiler™ Plus								
	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
JPCBL8 2	Yfiler™ Plus								
	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
JQRU76 2	Yfiler™ Plus								
	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
JTF4LX 2	PowerPlex® Y 23								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
K96MWD 2	Yfiler™ Plus								
	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
KEBAL9 2	Yfiler™								
		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		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

KGKANU									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
KHVCDE Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
KNWB2H Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
KPT6L9 Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
KTA8QT PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11	13	19	17		25	10	12
KYHPQ7 Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
L2KWKH Yfiler™ Plus, PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20	16	16			22
		11		19	17		25		12
L8RGUA Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
LCYUPL Yfiler™									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
LDEDAJ Yfiler™									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
LGWB3F PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	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

M2YQWC	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
M6YUQK	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
MACQEU	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
MMX6HU	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
MQWGDU	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
MWMQNR	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
N7PFWF	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
N83VGA	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
NUC7G4	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
NZHZBY	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
P3LVU2	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

PA4J94	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
PCDD8P	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
PEG9QR	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
PLGNFZ	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
PM73EA	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
PR4MLE	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
PTJRA6	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
Q8VKMA	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
QBUVHA	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
QFL32H	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
QJ76RN	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	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

QN2UG9 PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
QTA6JB PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
QVLVZ Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
R3UVJ8 PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
R62BQD Yfiler™									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
							25		12
RB9RAZ PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
RJ23JV Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
RJZALM PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
RTBC8N PowerPlex® Y 23									
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
RTC66W Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
T2YHL8 Yfiler™ Plus									
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

T3AJE8 Yfiler™ Plus										
2	36,39	14	12,13	13	30	24	10	11	12	
	16	9	12	20	32	16	16	11	22	
	38	11		19	17	21	25		12	
T3PVWD Yfiler™										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16			
							25		12	
TEHG38 PowerPlex® Y 23										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16		22	
		11	13	19	17		25	10	12	
TGQKY6 Yfiler™										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16			
							25		12	
TP72W7 Yfiler™ Yfiler™ Plus										
2	36,39	14	12,13	13	30	24	10	11	12	
	16	9	12	20	32	16	16	11	22	
	38	11		19	17	21	25		12	
TT6DT7 Yfiler™ Plus										
2	36,39	14	12,13	13	30	24	10	11	12	
	16	9	12	20	32	16	16	11	22	
	38	11		19	17	21	25		12	
TUY4WY Yfiler™										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16			
							25		12	
TXJBX8 PowerPlex® Y 23										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16		22	
		11	13	19	17		25	10	12	
U3P4T4 Yfiler™										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16			
							25		12	
U8ZGA2 Yfiler™ Plus										
2	36,39	14	12,13	13	30	24	10	11	12	
	16	9	12	20	32	16	16	11	22	
	38	11		19	17	21	25		12	
U9FHD4 Yfiler™										
2		14	12,13	13	30	24	10	11	12	
	16	9	12	20		16	16			
							25		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

UHY7W6	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
UMDUJM	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
UZYAML	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
V4YJAA	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
VAKTKR	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
VHZ63Y	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
VLXPPV	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
WPEHD3	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
X227NT	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
X3WPPU	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
X6K2PZ	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

XAFRXW	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
XDHQ9P	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
XKWRN3	Yfiler™									
	2		14	12,13	13	30	24	10	11	12
		16	9	12	20		16	16		22
							25			12
XQ43KY	Yfiler™									
	2		14	12,13	13	30	24	10	11	12
		16	9	12	20		16	16		22
							25			12
XY9DZ	Yfiler™									
	2		14	12,13	13	30	24	10	11	12
		16	9	12	20		16	16		22
							25			12
Y2KAVT	Yfiler™									
	2		14	12,13	13	30	24	10	11	12
		16	9	12	20		16	16		22
							25			12
Y6EF44	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
Y6JH7V	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
YAW9NJ	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
YG9M9Z	Yfiler™ Plus									
	2	36,39	14	12,13	13	30	24	10	11	12
		16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25			12
YJ3DDE	PowerPlex® Y 23									
	2		14	12,13	13	30	24	10	11	12
		16	9	12	20		16	16		22
		11	13	19	17		25	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

YQWKQT	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
Z9D47W	Yfiler™								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		
							25		12
Z9XKMY	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		12
ZARBTD	PowerPlex® Y 23								
2		14	12,13	13	30	24	10	11	12
	16	9	12	20		16	16		22
		11	13	19	17		25	10	12
ZUCE46	Yfiler™ Plus								
2	36,39	14	12,13	13	30	24	10	11	12
	16	9	12	20	32	16	16	11	22
	38	11		19	17	21	25		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

269H9Y	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
2FPFYN	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
2HGEDL	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
3QPATC	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17		23	10	12
3WTA7M	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
48VU7U	Yfiler™								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		
							23		12
4LT6DD	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
4ZA2TA	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17	17	23	10	12
4ZCLNP	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
639U4K	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
63AJCM	Yfiler™								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		
							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

63U8UH	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
6JJFMA	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
6K8XFU	PowerPlex® Y 23								
3	NT	13	11,14	13	29	24	10	13	13
	15	12	13	20	NT	16	16	NT	22
	NT	12	13	17	17	NT	23	10	12
6LKFPF	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
6PKRLR	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
6R9D73	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
6Y8QAC	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
7A9D29	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
7ANWL7	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
7VAJDL	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
7VLD3U	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							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

7VZTN	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
82BZJK	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
86AMPU	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12	Not tested	17	17	22	23	Not tested	12
86QKHU	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
8B2LPJ	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
8E2WKJ	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
8QC899	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
8UE9BQ	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
8VPAWP	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
997ML6	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
9AKPWJ	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	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

9DHEVH	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
9YF2F7	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
9YGTEE	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
A4NT3P	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17		23	10	12
A6NKGK	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17		23	10	12
ADA3KQ	Yfiler™								
3	NT	13	11,14	13	29	24	10	13	13
	15	12	13	20	NT	16	16	NT	NT
	NT	NT	NT	NT	NT	NT	23	NT	12
AHBU26	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17		23	10	12
ANFTEF	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
AXFAYQ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
		15	12	13	20	16	16		22
			12	13	17		23	10	12
B7FXKN	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
BCWK6R	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	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

BE6QTE	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
BJZKQF	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
BMW962	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
BNVA8M	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
BRVK22	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
BUGB4R	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
BZ6YYW	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
C4224N	Yfiler™ Plus								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
CCUGNM	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
CD9P7M	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
CMFCD3	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		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

CY887M	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		23
D3JF3L	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
DHHBQE	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16,17	16	11	22
	38	12		17	17	22	23			12
DJPPXK	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		23
DR8YLG	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
DTX3C3	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
EFAHAK	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
EHEA2X	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
		12	13	17	17		23	10		12
ERYEBH	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		23
F7WPG2	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
FJMH7C	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	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

FWARTG	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
G62PVA	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
GARY69	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
GAX92E	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
GMZJN2	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
GNDBGH	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
GP82MW	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
GYWPHY	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
H6EMG7	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
HE8LJD	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
HHLNYH	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		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

HQU6LG	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	23	12	
HY9UMB	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	23	12	
J2PTYW	Yfiler™								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
38	12		17	17	22	23		12	
J8XYTG	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	22	22	
	12	13	17	17	23	10	12		
JKPE8H	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	22	22	
	12	13	17	17	23	10	12		
JKZHCU	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	22	22	
	12	13	17	17	23	10	12		
JNLAFJ	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
38	12		17	17	22	23		12	
JPCBL8	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
38	12		17	17	22	23		12	
JQRU76	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
38	12		17	17	22	23		12	
JTF4LX	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	22	22	
	12	13	17	17	23	10	12		
K96MWD	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
38	12		17	17	22	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

KEBAL9	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
KGKANU									
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
KHVCDE	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
KNWB2H	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
KPT6L9	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
KTA8QT	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
KYHPQ7	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
L2KWKH	Yfiler™ Plus, PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16		22
	38	12		17	17	22	23		12
L8RGUA	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
LCYUPL	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							23		12
LDEDAJ	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		
							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

LGWB3F	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
M2YQWC	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
M6YUQK	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
MACQEU	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
MMX6HU	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
MQWGDU	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
MWMQNR	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
N7PFWF	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
N83VGA	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
NJWGER	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
NUC7G4	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	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

NZHZBY	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
P3LVU2	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
PCDD8P	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
		12	13	17	17		23	10		12
PEG9QR	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
PLGNFZ	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
PM73EA	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23			12
PR4MLE	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
							23			12
Q8VKMA	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
		12	13	17	17		23	10		12
QBUVHA	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
							23			12
QFL32H	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
		12	13	17	17		23	10		12
QJ76RN	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
		12	13	17	17		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

QN2UG9	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
QTA6JB	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
QVLVZ	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
R3UVJ8	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
R62BQD	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
							23		12
RB9RAZ	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
RJ23JV	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
RJZALM	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
RTBC8N	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
RTC66W	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
T2YHL8	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	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

T3AJE8	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
T3PVWD	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		12
							23		12
TEHG38	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
TGQKY6	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		12
							23		12
TP72W7	Yfiler™ Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
TT6DT7	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
TUY4WY	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		12
							23		12
TXJBX8	PowerPlex® Y 23								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		22
		12	13	17	17		23	10	12
U3P4T4	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		12
							23		12
U8ZGA2	Yfiler™ Plus								
3	35,38	13	11,14	13	29	24	10	13	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
U9FHD4	Yfiler™								
3		13	11,14	13	29	24	10	13	13
	15	12	13	20		16	16		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

UHY7W6	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
UMDUJM	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
UZYAML	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
			12	13	17	17		23	10	12
V4YJAA	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
VAKTKR	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
VHZ63Y	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
VLXPPV	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
			12	13	17	17		23	10	12
WPEHD3	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
X227NT	PowerPlex® Y 23									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		22
			12	13	17	17		23	10	12
X3WPPU	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
X6K2PZ	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	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

XAFRXW	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
XDHQ9P	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
XKWRN3	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
XQ43KY	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
XY9DZ	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
Y2KAVT	Yfiler™									
	3		13	11,14	13	29	24	10	13	13
		15	12	13	20		16	16		
								23		12
Y6EF44	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
Y6JH7V	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
YAW9NJ	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
YG9M9Z	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	23		12
YGU3FP	Yfiler™ Plus									
	3	35,38	13	11,14	13	29	24	10	13	13
		15	12	13	20	30	16	16	11	22
		38	12		17	17	22	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

YJ3DDE	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	16	22	
		12	13	17	17		23	10	12
YQWKQT	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	16	22	
							23		12
Z9D47W	Yfiler™								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	16	22	
							23		12
Z9XKMY	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12
ZARBTD	PowerPlex® Y 23								
	3	13	11,14	13	29	24	10	13	13
	15	12	13	20	16	16	16	22	
		12	13	17	17		23	10	12
ZUCE46	Yfiler™ Plus								
	3	35,38	13	11,14	13	29	24	10	13
	15	12	13	20	30	16	16	11	22
	38	12		17	17	22	23		12

TABLE 3

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

Item 4 - YSTR Results

6R9D73	Yfiler™ Plus								
4	[Redacted]								

86AMPU	Yfiler™ Plus								
4	No results	No results	No results	No results	No results	No results	No results	No results	No results
	No results	No results	No results	No results	No results	No results	No results	No results	No results
	No results	No results	Not tested	No results	No results	No results	No results	Not tested	No results

BZ6YYW	Yfiler™ Plus								
4	[Redacted]								

HQU6LG	Yfiler™								
4	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

JQRU76	Yfiler™ Plus								
4	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

MQWGDU	PowerPlex® Y 23								
4		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
		ND	ND	ND	ND		ND	ND	ND

QBUVHA	Yfiler™								
4	[Redacted]								

TEHG38	PowerPlex® Y 23								
4	[Redacted]								

TP72W7	Yfiler™ Yfiler™ Plus								
4	[Redacted]								

TXJBX8	PowerPlex® Y 23								
4	no results	no results	no results	no results	no results	no results	no results	no results	no results
	no results	no results	no results	no results		no results	no results		no results
	no results	no results	no results	no results		no results	no results		no results

U3P4T4	Yfiler™								
4	[Redacted]								

## Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 4
D22	DQ887L				[16]
QS1	DTZM9H	Q	Q	Q	Q
QS2	DTZM9H	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
269H9Y	Yes	Yes	No	No	4HWCNP	Yes	Yes	No	No
29RMQU	Yes	Yes	No	No	4LT6DD	Yes	Yes	No	No
2BZPQ8	Yes	Yes	No	No	4W9VFP	Yes	Yes	No	No
2DGC3Q	Yes	Yes	No	No	4ZA2TA	Yes	Yes	No	No
2FPFYN	Yes	Yes	No	No	4ZCLNP	Yes	Yes	No	No
2HGEDL	Yes	Yes	No	No	639U4K	Yes	Yes	No	No
2N629R	Yes	Yes	No	No	63AJCM	No Interp	Yes	No	No
2V233Q	Yes	Yes	No	No	63U8UH	Yes	Yes	No	No
33ZPR6	Yes	Yes	No	No	67UCNQ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
36LT2N	Yes	Yes	No	No	6ANL73	Yes	Yes	No	No
38CQYU	Yes	Yes	No	No	6AWCNM	Yes	Yes	No	No
39R69P	Yes	Yes	No	No	6GQLRQ	Yes	Yes	No	No
3CPQVL	Yes	Yes	No	No	6JJFMA	Yes	Yes	No	No
3M233N	Yes	Yes	No	No	6K8XFU	Yes	Yes	No	No
3QPATC	Yes	Yes	No	No	6LKFPR	Yes	Yes	No	No
3TPM74	Yes	Yes	No	No	6MGRRM	Yes	Yes	No	No
3WTA7M	Yes	Yes	No	No	6PKRLR	Yes	Yes	No	No
3Y2J3Q	No Interpretations Reported, DNA Analyzed for Database purposes only.				6QG3MM	Yes	Yes	No	No
449A6W	Yes	Yes	No	No	6R9D73	Yes	Yes	No	No
48VU7U	Yes	Yes	No	No	6TNAX2	Yes	Yes	No	No
49ZNFZ	Yes	Yes	No	No	6W9A7V	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4CNXXD	No Interp	No Interp	No Interp	No Interp	6Y8QAC	Yes	Yes	No	No
4GWGXR	Yes	Yes	No	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
7A9D29	Yes	Yes	No	No	9EWUDQ	Yes	Yes	No	No
7ANWL7	Yes	Yes	No	No	9VYL4T	Yes	Yes	No	No
7AQLTN	Yes	Yes	No	No	9Y2DMR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7GPVDV	Yes	Yes	No	No	9YF2F7	Yes	Yes	No	No
7J9D7Z	Yes	Yes	No	No	9YGTEE	Yes	Yes	No	No
7VAJDL	Yes	Yes	No	No	A4NT3P	Yes	Yes	No	No
7VLD3U	Yes	Yes	No	No	A6NKGK	Yes	Yes	No	No
7WZTN	Yes	Yes	No	No	ADA3KQ	Yes	Yes	No	No
82BZJK	Yes	Yes	No	No	AEBLYF	Yes	Yes	No	No
82T46Z	Yes	Yes	No	No	AHBU26	Yes	Yes	No	No
86AMPU	Yes	Yes	No	No	AJZCUP	Yes	Yes	No	No
86QKHU	Yes	Yes	No	No	ANFTEF	Yes	Yes	No	No
88GUDG	Yes	Yes	No	No	ATM9ZW	Yes	Yes	No	No
8B2LPJ	Yes	Yes	No	No	AUX9WQ	Yes	Yes	No	No
8E2WKJ	Yes	Yes	No	No	AVYYBL	Yes	Yes	No	No
8F9CRP	Yes	Yes	No	No	AXFAYQ	Yes	Yes	No	No
8JTYTP	Yes	Yes	No	No	AXXRQ	Yes	Yes	No	No
8NLD3R	Yes	Yes	No	No	AYXA8L	Yes	Yes	No	No
8QC899	Yes	Yes	No	No	B3P2Q3	Yes	Yes	No	No
8QQWCL	Yes	Yes	No	No	B7FXKN	Yes	Yes	No	No
8UE9BQ	Yes	Yes	No	No	B8NB3P	Yes	Yes	No	No
8VPAWP	Yes	Yes	No	No	B9HZ7J	Yes	Yes	No	No
997ML6	Yes	Yes	No	No	BBLHJT	Yes	Yes	No	No
9AKPWJ	Yes	Yes	No	No	BCWK6R	Yes	Yes	No	No
9DHEVH	Yes	Yes	No	No	BE6QTE	Yes	Yes	No	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
BJZKQF	Yes	Yes	No	No	DJPPXK	Yes	Yes	No	No
BL9P7P	Yes	Yes	No	No	DKL2YE	Yes	Yes	No	No
BMW962	Yes	Yes	No	No	DLDBHU	Yes	Yes	No	No
BNVA8M	Yes	Yes	No	No	DQ887L	Yes	Yes	Inc	No
BRVK22	Yes	Yes	No	No	DR8YLG	Yes	Yes	No	No
BUGB4R	Yes	Yes	No	No	DTX3C3	Yes	Yes	No	No
BWLX3P	Yes	Yes	No	No	DTYUAB	Yes	Yes	No	No
BZ6YYW	Yes	Yes	No	No	DTZM9H	Yes	Yes	No	No
C4224N	Yes	Yes	No	No	EFAHAK	Yes	Yes	No	No
C43THJ	Yes	Yes	No	No	EGFZ8F	Yes	Yes	No	No
CCUGNM	Yes	Yes	No	No	EGHPFJ	Yes	Yes	No	No
CD9P7M	Yes	Yes	No	No	EHEA2X	Yes	Yes	No	No
CG923M	Yes	Yes	No	No	ERYEBH	Yes	Yes	No	No
CJDFLM	Yes	Yes	No	No	ETVPCD	Yes	Yes	No	No
CLGB6P	Yes	Yes	No	No	F3AFYM	Yes	Yes	No	No
CMFCD3	Yes	Yes	No	No	F49F29	Yes	Yes	No	No
CNK7NT	Yes	Yes	No	No	F7WPG2	Yes	Yes	No	No
CTL2YG	Yes	Yes	No	No	FGCUAJ	Yes	Yes	No	No
CY887M	Yes	Yes	No	No	FJMH7C	Yes	Yes	No	No
CZ2TYE	Yes	Yes	No	No	FL8N8K	Yes	Yes	No	No
D3JF3L	Yes	Yes	No	No	FQMWWJ	No Interp	No Interp	No Interp	No Interp
D8GMYG	Yes	Yes	No	No	FRDA7P	Yes	Yes	No	No
D8ULKD	Yes	Yes	No	No	FWARTG	Yes	Yes	No	No
DHHBQE	Yes	Yes	No	No	G2EWXL	Yes	Yes	No	No
DJDTRF	Yes	Yes	No	No	G4KJ7K	Yes	Yes	No	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
G62PVA	Yes	Yes	No	No	J2PTYW	Yes	Yes	No	No
G92XYK	Yes	Yes	No	No	J78LJC	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GARY69	Yes	Yes	No	No	J8XYTG	Yes	Yes	No	No
GAX92E	Yes	Yes	No	No	J96DZM	Yes	Yes	No	No
GJDA7M	Yes	Yes	No	No	JJ8PGB	Yes	Yes	No	No
GLLC3J	Yes	Yes	No	No	JKPE8H	Yes	Yes	No	No
GLPYGC	Yes	Yes	No	No	JKZHCU	Yes	Yes	No	No
GMZJN2	Yes	Yes	No	No	JNLAJFJ	Yes	Yes	No	No
GNDBGH	Yes	Yes	No	No	JPCBL8	Yes	Yes	No	No
GP82MW	Yes	Yes	No	No	JQRU76	Yes	Yes	No	No
GT264H	Yes	Yes	No	No	JTF4LX	Yes	Yes	No	No
GVCX7W	Yes	Yes	No	No	JWWJXB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GYWPHY	Yes	Yes	No	No	JY92DA	Yes	Yes	No	No
H6EMG7	Yes	Yes	No	No	K4ECMF	Yes	Yes	No	No
H6WJXD	Yes	Yes	No	No	K96MWD	Yes	Yes	No	No
HCXQN9	Yes	Yes	No	No	K9KXKK	Yes	Yes	No	No
HE8LJD	Yes	Yes	No	No	KC8K87	Yes	Yes	No	No
HG6DZP	Yes	Yes	No	No	KEBAL9	Yes	Yes	No	No
HHLNYH	Yes	Yes	No	No	KGKANU	Yes	Yes	No	No
HQU6LG	Yes	Yes	No	No	KHVCDE	Yes	Yes	No	No
HT39HE	Yes	Yes	No	No	KJRNE9	Yes	Yes	No	No
HTZHCV	Yes	Yes	No	No	KNWB2H	Yes	Yes	No	No
HUEWXK	Yes	Yes	No	No	KPT6L9	Yes	Yes	No	No
HY9UMB	Yes	Yes	No	No	KTA8QT	Yes	Yes	No	No
J2CWWD	Yes	Yes	No	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
KTCWWB	Yes	Yes	No	No	NFX6HR	Yes	Yes	No	No
KTDRL9	Yes	Yes	No	No	NJECXE	Yes	Yes	No	No
KYHPQ7	Yes	Yes	No	No	NJWGER	Yes	Yes	No	No
KZV3TH	Yes	Yes	No	No	NJY2A8	Yes	Yes	No	No
L2KWKH	Yes	Yes	No	No	NUC7G4	Yes	Yes	No	No
L8RGUA	Yes	Yes	No	No	NZG8DQ	Yes	Yes	No	No
LCYUPL	Yes	Yes	No	No	NZHZBY	Yes	Yes	No	No
LDEDAJ	Yes	Yes	No	No	NZJRA8	Yes	Yes	No	No
LGWB3F	Yes	Yes	No	No	P3LVU2	Yes	Yes	No	No
LH6NJH	Yes	Yes	No	No	P6TDTX	Yes	Yes	No	No
LUZW67	Yes	Yes	No	No	PA4J94	No Interpretations Reported, DNA Analyzed for Database purposes only.			
LXLLPH	Yes	Yes	No	No	PCDD8P	Yes	Yes	No	No
M2YQWC	Yes	Yes	No	No	PEG9QR	Yes	Yes	No	No
M6YUQK	Yes	Yes	No	No	PLGNFZ	Yes	Yes	No	No
MACQEU	Yes	Yes	No	No	PM73EA	Yes	Yes	No	No
MHT6L7	Yes	Yes	No	No	PR4MLE	Yes	Yes	No	No
MLM86C	Yes	Yes	No	No	PTJRA6	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MMX6HU	Yes	Yes	No	No	PYMG8C	Yes	Yes	No	No
MQWGDU	Yes	Yes	No	No	PZC66X	Yes	Yes	No	No
MW6PWJ	Yes	Yes	No	No	Q8VKMA	Yes	Yes	No	No
MWMQNR	Yes	Yes	No	No	QBUVHA	Yes	Yes	No	No
N7PFWF	Yes	Yes	No	No	QE9TNB	Yes	Yes	No	No
N83VGA	Yes	Yes	No	No	QF4CRX	Yes	Yes	No	No
NBYTEE	Yes	Yes	No	No	QFL32H	Yes	Yes	No	No
ND9J4J	Yes	Yes	No	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
QJ76RN	Yes	Yes	No	No	TP72W7	Yes	Yes	No	No
QKECW3	Yes	Yes	No	No	TT6DT7	Yes	Yes	No	No
QN2UG9	Yes	Yes	No	No	TUY4WY	Yes	Yes	No	No
QNHX22	Yes	Yes	No	No	TXJBX8	Yes	Yes	No	No
QPVKK2	Yes	Yes	No	No	U36G7E	Yes	Yes	No	No
QR23JX	Yes	Yes	No	No	U3P4T4	Yes	Yes	No	No
QTA6JB	Yes	Yes	No	No	U7TYC7	Yes	Yes	No	No
QVLWVZ	Yes	Yes	No	No	U8ZGA2	Yes	Yes	No	No
R3UVJ8	Yes	Yes	No	No	U9FHD4	Yes	Yes	No	No
R62BQD	Yes	Yes	No	No	UHKTJT	Yes	Yes	No	No
RB9RAZ	Yes	Yes	No	No	UHY7W6	Yes	Yes	No	No
RDCPH8	Yes	Yes	No	No	UMDUJM	Yes	Yes	No	No
RENC99	Yes	Yes	No	No	UZYAML	Yes	Yes	No	No
RFHX2Z	Yes	Yes	No	No	V4XPQ4	Yes	Yes	No	No
RJ23JV	Yes	Yes	No	No	V4YJAA	Yes	Yes	No	No
RJZALM	Yes	Yes	No	No	V9PWCW	Yes	Yes	No	No
RTBC8N	Yes	Yes	No	No	VAKTKR	Yes	Yes	No	No
RTC66W	Yes	Yes	No	No	VHZ63Y	Yes	Yes	No	No
RVBPM2	Yes	Yes	No	No	VLXPPV	Yes	Yes	No	No
T2YHL8	Yes	Yes	No	No	VZEUQW	Yes	Yes	No	No
T3AJE8	Yes	Yes	No	No	W2PWCV	Yes	Yes	No	No
T3PVWD	Yes	Yes	No	No	W7GCQU	Yes	Yes	No	No
T9XGNF	Yes	Yes	No	No	WC9GKX	Yes	Yes	No	No
TEHG38	Yes	Yes	No	No	WEFG2Y	Yes	Yes	No	No
TGQKY6	Yes	Yes	No	No	WMNBVR	Yes	Yes	No	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
WPEHD3	Yes	Yes	No	No	YQWKQT	Yes	Yes	No	No
WPRXH4	Yes	Yes	No	No	YT8FKX	No Interp	No Interp	No Interp	No Interp
WREUQU	Yes	Yes	No	No	YUFERY	Yes	Yes	No	No
WWANNV	Yes	Yes	No	No	Z2YV6V	Yes	Yes	No	No
X227NT	Yes	Yes	No	No	Z9D47W	Yes	Yes	No	No
X3WPPU	Yes	Yes	No	No	Z9XKMY	Yes	Yes	No	No
X6K2PZ	Yes	Yes	No	No	ZA9F9Q	Yes	Yes	No	No
XAFRXW	Yes	Yes	No	No	ZARBTD	Yes	Yes	No	No
XDHQ9P	Yes	Yes	No	No	ZL3QQ7	Yes	Yes	No	No
XJHCX4	Yes	Yes	No	No	ZQGEDN	Yes	Yes	No	No
XKWNR3	Yes	Yes	No	No	ZUCE46	Yes	Yes	No	No
XQ43KY	Yes	Yes	No	No					
XY9DZ	Yes	Yes	No	No					
XZUJEU	Yes	Yes	No	No					
Y2KAVT	Yes	Yes	No	No					
Y3C6H2	Yes	Yes	No	No					
Y6EF44	Yes	Yes	No	No					
Y6JH7V	Yes	Yes	No	No					
YAW9NJ	Yes	Yes	No	No					
YE2EV9	Yes	Yes	No	No					
YG9M9Z	Yes	Yes	No	No					
YGU3FP	Yes	Yes	No	No					
YJ3DDE	Yes	Yes	No	No					
YJ6XAU	Yes	Yes	No	No					
YKCBRW	No Interpretations Reported, DNA Analyzed for Database purposes only.								

**DNA Interpretation****Response Summary****Participants reporting DNA results: 345**

*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	<b>316</b>	<b>317</b>	<b>0</b>	<b>0</b>
No	<b>0</b>	<b>0</b>	<b>316</b>	<b>317</b>
Inc	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>
No Interpretation	<b>4</b>	<b>3</b>	<b>3</b>	<b>3</b>
No Response	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>

Participants analyzing DNA for database purposes only: 9

# Additional Comments

## TABLE 6

WebCode	Additional Comments
2DGC3Q	reporting results with stutter filters on
2HGEDL	NR = No Results. There was concordance at DYS391 for both the Globalfiler and Yfiler kits.
2N629R	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.
2V233Q	reporting results with stutter filters on
33ZPR6	Not examined for semen given case circumstances.
3FPUPT	Only screening was performed on this test, no DNA.
3M233N	For items interpreted with STRmix, the Globalfiler STR results include all possible alleles for all interpreted genotypes. This may incorporate stutter peaks that would have been filtered during conventional analysis.
3TPM74	Item 3 - can be explained by mix of largely DNA from the victim and an unknown male (not the suspect). Contamination checks carried out; no indication that the male DNA is a contaminant. No indication of DNA from the suspect in the result. In my opinion, this finding can be explained if at least some of the blood tested originated from the victim. Item 4 - profile obtained can be attributed to the blood tested; as matches the victim then the findings can be explained if the blood tested originated from her.
449A6W	The laboratory does not provide an allele table in the report; therefore, this procedure is used only for reporting the results of proficiency tests. The results listed in the CTS report for the evidence samples reflect alleles that were used for reporting. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and alleles present are listed for evidence samples.
49ZNFZ	reporting with stutter filters on
4CNXXD	I was only required to complete the serology portion of this test. The scenario did not warrant testing for the possibility of semen, and the [Laboratory] does not test for the presence of saliva.
4LT6DD	NR = No results
4W9VFP	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.
63AJCM	Samples were analyzed and interpreted per Missing Persons casework protocols which do not allow interpretation of mixtures. The autosomal profile from Item 3 was a mixture and therefore no conclusion regarding the female victim could be made. The Y profile from Item 3 appeared to be single source and therefore could be used to exclude the male suspect. Globalfiler & Minifiler results were concordant for Items 3 and 4.
63U8UH	Qualified Forensic Biologists performed KM, RSID Blood and NaOH Y Screen tests. The DNA analyst performed KM testing and reviewed/interpreted the male screen results. NR = No Results. GlobalFiler and Yfiler Plus DYS391 results concordant.

TABLE 6

WebCode	Additional Comments
6ANL73	Elevated stutter (N+/- 4) on Item 3 (suspect's shirt) at D16S539; 13 allele removed.
6GQLRQ	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.
6QG3MM	Biology Screening performed by [Name], 4740. The amylase diffusion test is a presumptive test for the presence of amylase (an enzyme found in body fluids, including saliva).
6R9D73	For item 1 - no YSTR analysis was performed. For item 4 - YSTR analysis was performed, however, no YSTR results were obtained (therefore left blank).
7VLD3U	Extraction: Item 3 and Item 4 were extracted using Chelex 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 and Item 3 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.
82T46Z	NR= no result. ^ = indicates an allele is below the stochastic threshold
86AMPU	Items 1 and 4 were indicated to be female at quantitation, but were still amplified using the Yfiler Plus amplification kit. No Y-STR DNA typing results were obtained from these samples, as expected.
8JTYTP	The probabilistic genotyping software, STRmix, was used for all DNA interpretation. All potential alleles considered during deconvolution have been reported.
8NLD3R	Items 3 and 4 were PSA tested to determine extraction method. Both items tested negative for PSA and were extracted as non-differential samples. PSA testing is not part of this proficiency.
8QQWCL	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.
9AKPWJ	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain(s) (an) elevated stutter peak(s) which is/are being reported to the vendor as an additional comment but which has/have been modeled as stutter probabilistically during interpretation at the following locus/loci: sample Item 1, locus D16S539 and allele 15.
9VYL4T	NR = no results
9YGTEE	NR = tested but No Results.
ADA3KQ	NT = NOT TESTED. NR = NO RESULTS. N/A = NOT APPLICABLE



TABLE 6

WebCode	Additional Comments
C43THJ	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.
CCUGNM	NR = No Result
CJDFLM	Elevated stutter D16S539
CLGB6P	NR = No DNA typing results obtained
CY887M	1. Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. 2. Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 System. 3. Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct PCR Amplification Kit while Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 3 using AmpFLSTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. 4. Electrophoresis was carried out on the Applied Biosystems 3500 Genetic Analyser with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were analysed throughout the analysis and all gave the intended results.
CZ2TYE	reporting results with stutter filters on
D8ULKD	MiniFiler results consistent with GlobalFiler results.
DCTTEN	This test was for serology purposes only. Exhibit 4: AP test inconclusive due to substrate color
DHQBQE	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. The results for this test contains a possible elevated stutter peak that has been reproducibly confirmed by re-amplification. This is being reported to the vendor as an additional genetic data during interpretation at the following locus/loci: Item 3 - 17 allele at DYS456.
DJDTRF	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.
DLDBHU	In the Item 3 we have got mixture of DNA: Victim (Item 1) and a man- another then Item 2 (Suspect). We used LR mix Studio 2.1.3 Program (likelihood ratio) to know what is probability whether the mixture contains Victim DNA or not. LR=2,0616x10E11. It means that it is extremaly strong evidence that the Victim's DNA is in this mixture.
DTYUAB	PowerPlex Y23 sample processing was conducted on the following items: Item 2, Item 3. YSTR analysis and interpretation was not conducted. NID = No Interpretable Data. Y-screening (Casework Direct) conducted on Items 3 and 4. Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio for the following: Item 3: Item 1s_U_UU (2 person mixture), Item 4: Item 1s_U (1 person) where Item 1s = known blood from female victim where U = unknown



TABLE 6

WebCode	Additional Comments
DTZM9H	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
E2PXVH	Only screening portion completed for PT purposes; DNA portion was not performed.
EFAHAK	Minifiler was also used to amplify item 4. Concordant results were obtained with item 4 for Globalfiler and Minifiler.
F2896B	Y-Screening: Male DNA was detected on item #3. Male DNA was not detected on item #4.
F3AFYM	reporting with stutter filters on
F49F29	reporting results with stutter filters on
FJMH7C	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
FL8N8K	The laboratory does not provide an allele table in the report; therefore, this procedure is used only for reporting the results of proficiency tests. The results listed in the CTS report for the evidence samples reflects alleles that were used for reporting. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and alleles present are listed for evidence samples.
FQMWWJ	The known samples were not profiled and no interpretations were reported. Items 3 and 4 were profiled to confirm that correct results were obtained for the assigned analyst who is proficiency tested in DNA extraction through quantitation of evidentiary samples.
FX8WAB	Y-screening analysis conducted only. For Item 3, male DNA was detected. For Item 4, male DNA was not detected.
G4KJ7K	NR = No Results
G62PVA	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.
GLPYGC	For the mixture profile obtained from item 3, victim could be included as a possible source. As per our laboratory practice, if a single source profile of the victim could be obtained from another item that was seized from the suspect/the crime scene (e.g. item 4 for this case), no PG would be used to interpret the mixture profile for the presence of DNA originating from the victim.
GMZJN2	NR = no results
GNDBGH	Minifiler was also used to amplify item 1. Concordant results were obtained with Globalfiler and Minifiler.
GT264H	N/R = No typing results
H6WJXD	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
HCXQN9	Data reported with stutter filters ON.
HQU6LG	Extraction: Item 3 and Item 4 were extracted by using the Chelex Extraction Method. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human DNA Quantification Kit on Applied Biosystems 7500 Real-Time PCR Systems. Amplification: Item 1 and Item 2 were amplified using AmpFLSTR Identifiler Direct PCR Amplification Kit on Applied Biosystems GeneAmp PCR System 9700. With in-situ method, Item 2 was also amplified using AmpFLSTR Yfiler PCR Amplification Kit on Applied Biosystems GeneAmp PCR System 9700. Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus and Yfiler PCR Amplification Kits on Applied Biosystems GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on Applied Biosystems 3500xL Genetic Analyzer and the data were analysed using GeneMapper ID-X v1.5 software. Quality control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
HUEWXK	NR = No DNA typing results obtained at this locus.
HY9UMB	Results reported with stutter filters on.

TABLE 6

WebCode	Additional Comments
J2CWWD	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.
JKPE8H	The following exhibit was inconclusive for the presence of acid phosphatase due to difficulty in accurately detecting a color change as a result of the substrate color: 4.
JKZHCU	Additional interpretation should be done on Q3a for STRmix analysis.
JY92DA	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.
K4ECMF	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.
KEBAL9	reporting results with stutter filters on
KHVCDE	Minifiler was also used to amplify item 4. Concordant results were obtained for all loci for GlobalFiler and Minifiler.
KYHPQ7	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
LCYUPL	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 1, Item 2 and Item 3 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1, Item 2 and Item 3 (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.
LH6NJH	reporting with stutter filters on
LUZW67	reporting results with stutter filters on
MHT6L7	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.

TABLE 6

WebCode	Additional Comments
MLM86C	Question samples were PSA tested to determine if samples should go differential or non-differential.
N7PFWF	Extraction: - Item 1 and 2 were extracted using in-situ method. - Item 3 and 4 were extracted using chelex extraction method. Quantification: - Item 3 and 4 were quantified using ABI Quantifiler Human DNA Quantification Kit on ABI QuanStudio 5 Real Time PCR System. Amplification: - Item 1 and 2 were amplified using GlobalFiler Express Amplification Kit on Proflex PCR System. - Item 3 and 4 were amplified using Identifiler Plus Amplification Kit on 9700 GeneAmp PCR System (in the midst of validate the GlobalFiler casework) - Item 1, 2 and 3 were amplified using Y-Filer Amplification Kit on 9700 GeneAmp PCR System. Electrophoresis: - Electrophoresis of Item 1 and 2 (GlobalFiler Express) and Item 3 and 4 (Identifiler Plus) were carried out using Genetic Analyzer 3500xl. - Electrophoresis for Y-Filer PCR products of Item 1,2 and 3 were carried out using Genetic Analyzer 3130xl. Quality Control: - Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele
ND9J4J	^ indicates peaks below stochastic threshold as per DFS policy
NJY2A8	The probabilistic genotyping software, STRmix, was used for all DNA interpretation. Item 3-Data was generated at vWA, but due to interpretation issues related to stutter in the STRmix software this locus was omitted from interpretation.
NUC7G4	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
NZHZBY	NR = No Results. Serology testing performed by a qualified Forensic Biology analyst. This analyst performed KM testing on both items #3 and #4. Overlapping Y-STR locus between Globalfiler and Yfiler Plus is concordant.
NZJRA8	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
P3LVU2	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
PR4MLE	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 1, Item 2 and Item 3 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 1, Item 2 and Item 3 (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.
PYMG8C	The sperm fractions of items 3 and 4 were found to have insufficient human DNA and were not processed beyond Quant. The DNA lab analyst works on the high throughput team which processes all samples through a differential extraction which is why a differential was performed on these samples.
QNHX22	Reporting results with stutter filters on.
RB9RAZ	Item 3 -- GlobalFiler profile had an A/TA (13) at D5S818. Item 3 --PowerPlex Y23 profile had an A/TA (17) at DYS456
RJ23JV	NR= no results
RTC66W	A qualified Forensic Biologist performed the NaOH Y Screen while the DNA Analyst reviewed and interpreted the male screen results. KM testing was performed by the DNA analyst. NR = No Results.
RVBPM2	STRmix results analyzed with stutter filters on

TABLE 6

WebCode	Additional Comments
RXLLG6	Items 3 and 4 contain blood. Presumptive* testing for human origin was positive. No semen was found on Items 3 or 4. No further analysis was conducted. Results relate only to the items or sampling of items tested. *presumptive tests do not confirm the presence of bodily fluids or human origin
T9XGNF	alpha-HuHb = anti human hemoglobin using Hematrace as well as ouchterlony amylase = amylase radial diffusion test: amylase, a component of saliva, was at low level compared to standards; therefore, inconclusive for saliva. NR = No DNA results obtained
TEHG38	mRMP Item 1 = Item 4 = 1.73E+31. mRMP Item 2 = 6.15E+34. LR Item 3: Item 1 + 1 unkn/2 unkn = 7.50E+16 (d.o.=0.1), 2.5E6E+16 (d.o.=0.18), Item 2 + 1 unkn/2 unkn = 7.39E-26 (d.o.=0.1), Item 1 + Item 2/Item 1 + 1 unkn = 4.52E-31 (d.o.=0.1)
TP72W7	Any peaks modeled as stutter (MAS) by STRmix were not added to the allele tables.
TT6DT7	Any peaks modeled as stutter by STRmix were not added to the allele tables.
TUY4WY	Item 2 had elevated n-4 stutter at DYS635 (24 peak showing at 11.72% of 25 peak, with stutter filter at 10.75%).
U7TYC7	The laboratory does not provide an allele table in the report; therefore, this procedure is used only for reporting the results of proficiency tests. The results listed in the CTS report for the evidence samples reflect alleles that were used for reporting. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and alleles present are listed for evidence samples.
U8ZGA2	allele peaks/alleles being modeled as stutter (MAS) are not included in the reported results.
UHY7W6	NR=No DNA types recovered
V4YJAA	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 (GFE) on PROFLEX PCR System. (in the midst of validating GF casework Amp Kit). Item 3 and Item 4 were amplified using AmpFLSTR Identifiler Plus PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2 and Item 3 were amplified using AmpFLSTR Y-filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis were carried out on ABI 3130xL Genetic Analyzer for Item 1,2 and 3 (Y-filer). Quality Control: Reagent Blank, Positive control and Negative control were carried out through analysis and all gave intended results. Note: NM- Non male allele
V9PWCW	Reporting results with stutter filters on
VAKTKR	NR = No Results. Concordant results achieved between amplification kits at the DYS391 locus. All screening tests in Part I [Table 1: Serology Screening Results] performed by a qualified Forensic Biologist.
VLXPPV	NID = No Interpretable Data. Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to create likelihood ratios on the following propositions: Item 3: 1sU/2U, Item 4: 1s/U
VZEUQW	Reporting results with the stutter filters on.
W7GCQU	[Name] completed the screening part of the exam. [Name] completed the DNA portion of this exam.
WC9GKX	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
WPEHD3	Minifiler was also used to amplify items 1 and 4. The results were concordant with the Globalfiler results.
WPRXH4	NR= No results
WWANNV	reporting results with stutter filters on

TABLE 6

WebCode	Additional Comments
X227NT	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: 1sU/UU and item 4: 1s_u. NID=no interpretable data
X3WPPU	Swabs were implemented to collect portions of the stains from items 3 and 4, as items 3-1 and 4-1 respectively.
X6K2PZ	Minifiler was also used to amplify item 4. Concordant results were obtained with GlobalFiler and MiniFiler.
XBC6H4	Serological testing only.
XDHQ9P	NR = no results. Screening tests performed by a qualified Forensic Biologist and samples transferred to DNA analyst per SOP. KM testing performed by Forensic Biologist (Item 4) and DNA analyst (Item 3 & Item 4); concordant results where applicable. The DNA analyst reviewed and interpreted the male screen results. #1 & #2 tested with GlobalFiler and GlobalFiler Express; concordant results generated.
XKWNR3	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Automate Express DNA 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 and Item 3 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.
XWRL43	This test was for serology purposes only. Item 4's AP result was inconclusive due to substrate color.
YG9M9Z	Minifiler was also used to amplify item 4. Concordant results were obtained with item 4 for GlobalFiler and Minifiler.
YKCBRW	Items 1 and 2 were ran with both GlobalFiler and GlobalFiler Express.
YQWKQT	Reporting results with stutter filters on.
Z9XKMY	Minifiler™ was also used to amplify item 4. Concordant results were obtained for item 4 with GlobalFiler™ and Minifiler™.

-End of Report-  
(Appendix may follow)

## Test No. 20-5703: Forensic Biology

DATA MUST BE SUBMITTED BY **July 6, 2020, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234D

WebCode: ER24G2

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 assault of a female victim. The victim was at home eating dinner with a male friend when her ex-boyfriend arrived and demanded to be let in. After a verbal argument between the victim and the ex-boyfriend, the ex-boyfriend pulled out a knife. The victim's friend was able to fight off the ex-boyfriend but not before he stabbed the victim. Investigators are submitting a stain from the shirt (Item 3) the suspect was wearing and a towel (Item 4) found in the suspect's car. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2). No profile was obtained from the victim's friend.

### Items Submitted (Sample Pack B3):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

Item 4: Questioned stain from towel found in suspect's car (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"/>	<input type="radio"/>	Yes	<input type="radio"/>
No	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No	<input type="radio"/>
Inconclusive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Inconclusive	<input type="radio"/>
No Interpretation	<input type="radio"/>	<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.

### Probabilistic Genotyping Questions

1: Does your laboratory utilize PG software on known reference samples, questioned single source samples, questioned mixture samples or all three?

2: Does your laboratory policy indicate a maximum number of contributors for which you would utilize PG software? If yes, how many?

3: For optimum use of your PG software, what case information is necessary?

4: Would the ethnicities of known or questioned sample donors need to be provided?

5: How do you report conclusions generated by PG software? (e.g. Inclusion/Exclusion, Verbal support statement, etc)

## 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)