



## **Forensic Biology Test No. 22-5702 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 789 participants and are compiled into the following tables:

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

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

## **Manufacturer's Information**

Each sample pack consisted of two known bloodstains on FTA cards (Items 1 & 2), and two questioned stains on clean, colored fabric (Item 3 & 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. Item 1 (75  $\mu$ l) was created using blood from a female donor. Items 2 (75  $\mu$ l) and 4 (50  $\mu$ l) were created using blood from the same male donor. Item 3 (50  $\mu$ l) was created using blood from the female donor used in Item 1 and blood from the male donor used in Item 2. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on March 1, 2022 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 and sealed. 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	12,15	19,21	12,14	15,17	11,12	*
	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13,2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	*	9,9.3	8,12
	17,18	NM	NM	NM	NM	
2	15.3,17.3	17,19	14,14	16,16	12,12	*
	8,9	10,12	14,15 ^	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	*
	8,9,11	10,12,15	13,14,15 ^	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	*	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
4	15.3,17.3	17,19	14,14	16,16	12,12	*
	8,9	10,12	14,15 ^	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	

^Greater than 10% of participants reported a different allelic response at this locus; further information will be available in the Summary Report.

### 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	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	12	21	17	19	22	12	10
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	12	21	17	19	22	12	10
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	12	21	17	19	22	12	10

\* Results were not received by a minimum of 10 participants for the loci indicated.  
 NM - Non-Male profile, YSTR results not expected.

## Manufacturer's Information, continued

### Mitochondrial DNA Sequencing Results

#### **Nucleotide Ranges Tested**

*The nucleotide ranges provided below represent the range tested by a minimum of 75% of participants.*

<u>Item</u>	<u>HVR-II</u>	<u>HVR-I</u>
<b>1</b>	<b>49-407</b>	<b>16024-16390</b>
<b>2</b>	<b>66-392</b>	<b>16024-16390</b>
<b>4</b>	<b>63-385</b>	<b>16024-16380</b>

#### **Deviations HVR-II, HVR-I**

*The base deviations presented here are the consensus of results reported by at least ten participants. These results may not represent all base deviations reported by every participant due to the specific nucleotide ranges sequenced by individual participants.*

	72.0	93.0	195.0	263.0	315.1	16153.0	16298.0
<b>ITEM 1</b>	C	G	C	G	C	A	C

	73.0	185.0	188.0	228.0	263.0	295.0	309.1	315.1	462.0	489.0	16069.0	16126.0	16519.0
<b>ITEM 2</b>	G	A	G	A	G	T	C	C	T	C	T	C	C

	73.0	185.0	188.0	228.0	263.0	295.0	309.1	315.1	16069.0	16126.0
<b>ITEM 4</b>	G	A	G	A	G	T	C	C	T	C

## Summary Comments

The 22-5702 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created using blood from a female donor. Items 2 and 4 were created using blood from the same male donor. Item 3 was created using blood from the female donor used in Item 1 and blood from the male donor used in Item 2. (See Manufacturer's Information for preparation details)

Data were returned by 789 participants.

### Screening Test Results:

Screening results for body fluids (blood, semen, saliva) were returned by a total of 680 participants. However, not all of these participants returned screening results for all fluids for both questioned items.

For Item 3, all participants reported "Positive" for the presence of blood. For the presence of semen, all participants reported "Negative." For the presence of saliva, all responding participants reported "Negative." Additionally, all responding participants reported "Positive" for Human Origin and Y-Screening.

For Item 4, all participants reported "Positive" for the presence of blood. For the presence of semen, all responding participants reported "Negative." For the presence of saliva, all but one responding participant reported "Negative." The remaining participant reported "Positive." Additionally, all participants reported "Positive" for Human Origin and Y-screening.

### DNA Analysis Results:

Of the 789 participants that returned results, 709 reported DNA results. Twenty-three participants stated that the samples were analyzed for database purposes only and fourteen selected the "No Interpretations" option individually for all interpretation questions.

For the Item 3 stain, the interpretation breakdown is as follows: all but seven participants included the victim (Item 1) and the suspect (Item 2) as possible contributors. The remaining seven participants reported "Inconclusive."

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

A total of 383 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, nine were missing alleles compared to the consensus/predistribution results for one or more of the questioned items. Based on the interpretations described above, these inconsistencies did not appear to affect participants' conclusions.

Amplification kit-based trends were noted in this test. The trends for only the single source, known standards are discussed below as the trends are similar for the questioned items that were prepared from the same donors as the knowns.

For Item 1 at locus SE33, a total of 339 participants (~57%) reported "18,28.2." Of these, 327 participants (~96%) reported the use of GlobalFiler™. Additionally, a total of 249 participants (~42%) reported "17.1,28.2." Of these, 147 participants (~59%) reported the use of PowerPlex® Fusion 6C and 102 participants (~41%) reported the use of Investigator.

For Item 2 at locus D10S1248, a total of 564 participants (~86%) reported "14,15." There was no apparent trend seen between this result and the amplification kit used. However, a trend was seen with the 94 participants (~14%) that reported "15,15." All of these participants reported the use of the Investigator kit.

A significant portion of participants noted the discordant results in their additional comments and identified the discordant alleles as a possible high stutter event or a potential primer binding mutation. Overall, these inconsistencies did not appear to affect 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 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
224KFF	Pos LMG	Pos LMG
22KUZG	Pos KM	Pos KM
22TTLP	Pos LMG, HemaTrace	Pos LMG, HemaTrace
24CD8E	Pos KM	Pos KM
24QBEZ	Pos TMB	Pos TMB
24UD4P	Pos KM	Pos KM
26GMP6	Pos KM	Pos KM
26XR6H	Pos KM	Pos KM
26Z2E9	Pos KM, HemaTrace	Pos KM, HemaTrace
27CF3H	Pos KM, HemDirect	Pos KM, HemDirect
27RHE4	Pos O-tol	Pos O-tol
289HPK	Pos TMB, Takayama	Pos TMB, Takayama
28HL2J	Pos KM	Pos KM
28M2G6	Pos TMB, PHTH	Pos TMB, PHTH
28MW73	Pos TMB	Pos TMB
29UDY7	Pos KM	Pos KM
29YAMP	Pos KM	Pos KM
2CMFTF	Pos KM	Pos KM
2D8KGQ	Pos OT	Pos OT
2EQUXF	Pos TMB	Pos TMB
2LKXTB	Pos LMG	Pos LMG
2MJ9JD	Pos LMG	Pos LMG
2MKYVM	Pos KM, HemaTrace	Pos KM, HemaTrace
2N8PNE	Pos KM, Hemdirect	Pos KM, Hemdirect
2VUXAB	Pos KM; HEM	Pos KM; HEM
2VWNHE	Pos KM	Pos KM
2X6M69	Pos KM, HemaTrace	Pos KM, HemaTrace
329U8C	Pos O-tol, Seratec HemDirect	Pos O-tol, Seratec HemDirect
32KNEL	Pos KM, HemaTrace	Pos KM, HemaTrace
33PW3Q	Pos KM	Pos KM
383NHJ	Pos TMB, Micro	Pos TMB, Micro
3ALLXA	Pos LMG	Pos LMG
3ALUPU	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
3B848B	Pos TMB	Pos TMB
3CA9E4	Pos O-tol	Pos O-tol
3FC7MB	Pos KM, HemaTrace	Pos KM, HemaTrace
3HZKCK	Pos KM	Pos KM
3JQQN6	Pos KM, HemaTrace	Pos KM, HemaTrace
3MF77D	Pos TMB	Pos TMB
3QLTFQ	Pos PTMB, HemaTrace	Pos PTMB
3RFQFA	Pos KM, TMB (Combur)	Pos KM, TMB (Combur)
3RQMRF	Pos KM, HemDirect	Pos KM, HemDirect
3TUHVQ	Pos KM	Pos KM
3UQCWP	Pos KM	Pos KM
3UR2BU	Pos KM, HemaTrace	Pos KM, HemaTrace
3UYRBW	Pos KM, Hemdirect	Pos KM, Hemdirect
3VMWG4	Pos KM	Pos KM
3XBB7D	Pos LMG, HT	Pos LMG, HT
3XQMRP	Pos KM	Pos KM
3YTPZM	Pos O-tol	Pos O-tol
42UQ7X	Pos TMB	Pos TMB
42VLTA	Pos IR, Luminol, KM, HemDirect	Pos IR, Luminol, KM
43QZHM	Pos KM, HemaTrace	Pos KM, HemaTrace
474RPF	Pos TMB	Pos PHT
48FHLD	Pos LMG, HT	Pos LMG, HT
4AGQM3	Pos KM	Pos KM
4BWVA8	Pos KM	Pos KM
4CFA4G	Pos KM	Pos KM
4D4PAH	Pos KM, HemaTrace	Pos KM, HemaTrace
4DYW9J	Pos ABA heme	Pos ABA heme
4E36TP	Pos KM, HemaTrace	Pos KM, HemaTrace
4FCJU4	Pos TMB	Pos TMB
4FLKL4	Pos KM, HemaTrace	Pos KM, HemaTrace
4G8XPA	Pos PT	Pos PT
4GZ3QV	Pos KM	Pos KM
4L4GR8	Pos LMG	Pos LMG
4MR6Y2	Pos TMB	Pos TMB
4NNHLU	Pos TMB	Pos TMB



TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4PWM86	Pos KM, HemaTrace	Pos KM, HemaTrace
4QR9TA	Pos LMG	Pos LMG
4RNAMK	Pos KM	Pos KM
4TD9EH	Pos KM, TMB	Pos KM, TMB
4U6C2X	Pos KM	Pos KM
4UTAWC	Pos TMB	Pos TMB
4WCKD4	Pos LMG, HT	Pos LMG, HT
4WDBRY	Pos KM, HemaTrace	Pos KM, HemaTrace
4YPWU8	Pos LMG	Pos LMG
4ZYC9L	Pos KM	Pos KM
63J2WQ	Pos KM	Pos KM
672FM6	Pos TMB, HemaTrace	Pos TMB, HemaTrace
6K44GK	Pos KM, HemaTrace	Pos KM, HemaTrace
6QAK89	Pos KM, TMB	Pos KM, TMB
6TQXKG	Pos KM	Pos KM
6ZDP6G	Pos KM	Pos KM
724H8D	Pos TMB	Pos PHT
73BTUF	Pos HemaTrace	Pos HemaTrace
76EMQZ	Pos KM + qRT-PCR	Pos KM + qRT-PCR
76JU4U	Pos KM	Pos KM
7DCNB6	Pos KM, HEM	Pos KM, Hem
7DHCMC	Pos PHT	Pos TMB
7DYWKA	Pos KM	Pos KM
7EVBB9	Pos O-tol, HemDirect	Pos O-tol, HemDirect
7KZ7V9	Pos O-tol	Pos O-tol
7L93Y7	Pos KM, HemaTrace	Pos KM, HemaTrace
7LRWUE	Pos KM	Pos KM
7UEYUW	Pos O-tol	Pos O-tol
7WRJRD	Pos KM	Pos KM
7X78PC	Pos KM, HemDirect	Pos KM, Hemdirect
7XKA2X	Pos O-tol	Pos O-tol
7YJWUB	Pos KM	Pos KM
827TXU	Pos KM	Pos KM
82LE6B	Pos KM	Pos KM
82MEJD	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
83B4C6	Pos KM, HemaTrace	Pos KM, HemaTrace
84MUL9	Pos KM, TMB	Pos KM, TMB
84TH7E	Pos KM	Pos KM
86HCMA	Pos TMB	Pos TMB
86MPED	Pos KM	Pos KM
894HGK	Pos PTMB	Pos PTMB
89C6NR	Pos KM Test	Pos KM Test
8B3B3W	Pos KM	Pos KM
8BP4A8	Pos HemDirect, red-brown	Pos HemDirect, red-brown
8DVDXD	Pos KM	Pos KM
8E3VUM	Pos KM	Pos KM
8ECWB3	Pos KM	Pos KM
8EZWUZ	Pos Hemoglobin specific antigen	Pos Hemoglobin specific antigen
8G9B8K	Pos KM	Pos KM
8GCN29	Pos TMB	Pos TMB
8GVX7N	Pos KM	Pos KM
8JWPWV	Pos KM, HemaTrace	Pos KM, HemaTrace
8KGVK7	Pos KM	Pos KM
8PJEEJ	Pos KM	Pos KM
8Q2EKU	Pos TMB	Pos TMB
8V924X	Pos KM + qRT-PCR	Pos KM + qRT-PCR
8V9RHT	Pos KM, HemaTrace	Pos KM, HemaTrace
8W99UB	Pos KM	Pos KM
8YCQQZ	Pos KM	Pos KM
8YYLJ9	Pos KM	Pos KM
8ZNP9	Pos KM, TMB	Pos KM, TMB
92FGEC	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
93QMW3	Pos HemaTrace	Pos HemaTrace
96H74Z	Pos KM, HemaTrace	Pos KM, HemaTrace
97BFZH	Pos TMB	Pos TMB
9A6F27	Pos O-tol, Seratec HemDirect	Pos O-tol, Seratec HemDirect
9A6K83	Pos LMG, HemaTrace	Pos LMG, HemaTrace
9FACPC	Pos KM	Pos KM
9HK9GW	Pos TMB	Pos TMB
9JYK8E	Pos PTMB, HemDirect	Pos PTMB, HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
9KQNUU	Pos TMB	Pos TMB
9NLHC3	Pos LMG	Pos LMG
9NLJ9M	Pos KM Test	Pos KM Test
9P4FY2	Pos KM	Pos KM
9RAXXW	Pos Hemastix, Hexagon Obti	Pos Hemastix, Hexagon Obti
9RNFZ3	Pos TMB	Pos TMB
9U4Z7C	Pos KM, HemaTrace	Pos KM, HemaTrace
9UH4JX	Pos LMG	Pos LMG
9V8EAQ	Pos KM	Pos KM
9VALUC	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
9VEB96	Pos KM	Pos KM
9WJ4PW	Pos KM	Pos KM
9XEPB2	Pos LMG	Pos LMG
9XXZG2	Pos LMG	Pos LMG
9YEL46	Pos KM	Pos KM
A2BRX2	Pos LMG	Pos LMG
A34N4W	Pos KM	Pos KM
A3MBYX	Pos LMG	Pos LMG
A7YCNA	Pos ABACard HemaTrace	Pos ABACard HemaTrace
A8HNQU	Pos KM	Pos KM
A9UZF7	Pos PHT	Pos PHT
AAL4JD	Pos Abacus heme	Pos Abacus heme
AANPFT	Pos TMB	Pos TMB
ABCUNJ	Pos KM, HemaTrace	Pos KM, HemaTrace
ABFT39	Pos KM, HemaTrace	Pos KM, HemaTrace
AGQRT7	Pos PTMB, HemDirect	Pos PTMB, HemDirect
AGXEKQ	Pos KM	Pos KM
AH34DA	Pos KM, HemaTrace	Pos KM, HemaTrace
AHEFWT	Pos KM	Pos KM
AHF4BY	Pos KM	Pos KM
ALCRMY	Pos	Pos
ANKZUY	Pos KM	Pos KM
AQ922D	Pos KM	Pos KM
ARL2Y2	Pos RSID Blood	Pos RSID Blood
ATV6VY	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
AUD2B6	Pos TMB, PHT	Pos TMB, PHT
B73TH8	Pos KM, Seratec HEM	Pos KM, Seratec HEM
B7JCF7	Pos TMB	Pos TMB
B8BLZ8	Pos KM, HemaTrace	Pos KM, HemaTrace
B8HH28	Pos LMG	Pos LMG
B94DBT	Pos KM	Pos KM
BBULAV	Pos KM	Pos KM
BDNUU4	Pos KM	Pos KM
BEAX9X	Pos KM	Pos KM
BGDX6N	Pos KM	Pos KM
BGLNL9	Pos KM, HemaTrace	Pos KM, HemaTrace
BMLA6V	Pos KM	Pos KM
BNXZGK	Pos KM	Pos KM
BQ69RQ	Pos TMB	Pos TMB
BR8ECC	Pos RSID	Pos RSID
BTFJZ9	Pos KM	Pos KM
BU8864	Pos TMB	Pos TMB
BWEAB9	Pos TMB, KM	Pos TMB, KM
BY8NVX	Pos LMG	Pos LMG
BYWUHW	Pos KM, Hemoglobin Assay	Pos KM, Hemoglobin Assay
BZR9AV	Pos KM	Pos KM
C269WH	Pos KM	Pos KM
C3KDK8	Pos KM	Pos KM
C493DY	Pos KM, HemaTrace	Pos KM, HemaTrace
C4DWDD	Pos KM, Hemdirect	Pos KM, Hemdirect
C6LVP8	Pos KM	Pos KM
CC3PMP	Pos KM	Pos KM
CCK3AV	Pos KM	Pos KM
CDFYXB	Pos KM, HemaTrace	Pos KM, HemaTrace
CDQR4R	Pos KM	Pos KM
CETN49	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
CF4TEC	Pos KM, HemaTrace	Pos KM, HemaTrace
CHBHT2	Pos LMG, HemaTrace	Pos LMG, HemaTrace
CJRH7Y	Pos KM, Luminol	Pos KM, Luminol
CK3EFA	Pos TMB, Takayama	Pos TMB, Takayama

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
CKY2N8	Pos PHT	Pos TMB
CL4KFN	Pos KM	Pos KM
CM7K49	Pos KM, HemaTrace	Pos KM, HemaTrace
CMEM6T	Pos KM	Pos KM
CPQR4W	Pos LMG	Pos LMG
CR2GM9	Pos KM, Human	Pos KM, Human
CVVWVB	Pos O-tol	Pos O-tol
D3GJQL	Pos KM, HemDirect	Pos KM, HemDirect
D7F66V	Pos TMB	Pos TMB
D7GUJZ	Pos KM	Pos KM
D9MCKG	Pos KM, HemDirect	Pos KM, HemDirect
DBM9PW	Pos KM	Pos KM
DC3EF9	Pos KM	Pos KM
DCYY2L	Pos TMB	Pos TMB
DDFXG6	Pos TMB	Pos TMB
DFHZZE	Pos KM	Pos KM
DFUJXQ	Pos KM	Pos KM
DHK4KA	Pos KM	Pos KM
DJJMQ3	Pos KM	Pos KM
DL9PXC	Pos TMB	Pos TMB
DMFNX7	Pos PHT, TMB	Pos PHT, TMB
DQ4PUY	Pos KM, HEM	Pos KM, HEM
DQVAER	Pos KM	Pos KM
DQZHRL	Pos KM	Pos KM
DX7JG2	Pos KM	Pos KM
DYU7MA	Pos KM, HemaTrace	Pos KM, HemaTrace
E2FW78	Pos ABA Hemecard	Pos ABA Hemecard
E2HG3N	Pos TMB	Pos TMB
E4LTVN	Pos KM, HemDirect	Pos KM, HemDirect
E7LG7X	Pos LMG, HemaTrace	Pos LMG, HemaTrace
E7P6FP	Pos TMB	Pos TMB
E7THAD	Pos KM, HemaTrace	Pos KM, HemaTrace
E8Y78P	Pos KM	Pos KM
E93XRX	Pos KM, RSID	Pos O-tol, HemaTrace
E9BUVV	Pos KM	Pos

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
E9Q6LN	Pos KM Test	Pos
E9UQ8V	Pos KM, TMB	Pos KM, TMB
ECE46J	Pos KM, HemDirect	Pos KM, HemDirect
EFFAKP	Pos KM, Hemdirect	Pos KM, Hemdirect
EFHYPL	Pos KM	Pos KM
EG6YQH	Pos KM	Pos KM
EGNPXG	Pos KM	Pos KM
EKTDFR	Pos O-tol	Pos O-tol
EL8NMX	Pos LMG, HemaTrace	Pos LMG, HemaTrace
EPXAYR	Pos O-tol	Pos O-tol
ERV29Y	Pos KM	Pos KM
EUVTY6	Pos KM	Pos KM
EUY6C2	Pos PTMB, HemDirect	Pos PTMB, HemDirect
EWFMV7	Pos KM	Pos KM
EWGJ3V	Pos LMG, HT	Pos LMG, HT
EZDDVP	Pos KM, qRT-PCR	Pos KM, qRT-PCR
F2EWM6	Pos KM, HemaTrace	Pos KM, HemaTrace
F2VTBX	Pos KM	Pos KM
F69QK7	Pos KM, HemaTrace	Pos KM, HemaTrace
F6D9H6	Pos KM, HemaTrace	Pos KM, HemaTrace
F6GLGY	Pos KM	Pos KM
F7KUB7	Pos KM	Pos KM
F9DGT7	Pos KM, HemaTrace	Pos KM, HemaTrace
F9DRUX	Pos KM	Pos KM
F9MYJK	Pos KM	Pos KM
FA38XE	Pos KM, OBTI	Pos KM, OBTI
FAA6JC	Pos KM, HemaTrace	Pos KM, HemaTrace
FDPAZY	Pos KM, Hemdirect	Pos KM, Hemdirect
FFU6W4	Pos TMB	Pos TMB
FGM8DR	Pos O-tol	Pos O-tol
FHEFDU	Pos LMG	Pos LMG
FLVMQW	Pos LMG	Pos LMG
FN4AEE	Pos KM	Pos KM
FNTRTA	Pos KM, HemaTrace	Pos KM, HemaTrace
FP2AJT	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
FPZ6CW	Pos KM	Pos KM
FQ7V2Y	Pos KM	Pos KM
FRKBDE	Pos KM	Pos KM
FVKBNJ	Pos KM	Pos KM
FWGQDN	Pos TMB	Pos TMB
FWXZ9A	Pos PH, HemaTrace	Pos PH, HemaTrace
FY2R8A	Pos KM, ABACard HemaTrace	Pos KM, ABACard HemaTrace
G27KRZ	Pos TMB	Pos TMB
G3DX3M	Pos KM	Pos KM
G6QLMM	Pos KM	Pos KM
G8RTK6	Pos KM, LMG	Pos KM, LMG
GDJEUX	Pos KM	Pos KM
GEFN7N	Pos LMG	Pos LMG
GEUPMQ	Pos KM,	Pos KM
GHUYV7	Pos KM, TMB	Pos KM, TMB
GJ9KJZ	Pos LMG	Pos LMG
GJTGAZ	Pos KM	Pos KM
GLVY9B	Pos KM, HemaTrace	Pos KM, HemaTrace
GRDJ2P	Pos O-tol	Pos O-tol
GTE8RZ	Pos IR, KM	Pos IR, KM
GUB6X8	Pos KM, HemaTrace	Pos KM, HemaTrace
GXBGT8	Pos KM, HemaTrace	Pos KM, HemaTrace
GYH9TV	Pos KM	Pos KM
H8UMDC	Pos KM, HemaTrace	Pos KM, HemaTrace
H98QT2	Pos KM	Pos KM
H9PXYJ	Pos KM	Pos KM
HB9FYB	Pos KM, HemaTrace	Pos KM, HemaTrace
HCHE3R	Pos LMG, HemaTrace	Pos LMG, HemaTrace
HCLW8H	Pos KM	Pos KM
HGEJ6G	Pos KM, Hemdirect	Pos KM, Hemdirect
HKJNQX	Pos TMB, KM	Pos TMB, KM
HKWDWV	Pos LMG, HemaTrace	Pos LMG, HemaTrace
HLUW8P	Pos LMG	Pos LMG
HMNTKQ	Pos KM, HemaTrace	Pos KM, HemaTrace
HPUG3W	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
HVWEHT	Pos KM, HemaTrace	Pos KM, HemaTrace
HWDJ6X	Pos Phenolphthalein	Pos Phenolphthalein
HXMYAD	Pos KM	Pos KM
HXNDWQ	Pos LMG	Pos LMG
J2LBMA	Pos PTMB	Pos PTMB
J4MP43	Pos KM	Pos KM
J4PENR	Pos LMG	Pos LMG
JABWR8	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
JBQ4C4	Pos KM, HemaTrace	Pos KM, HemaTrace
JD9XJJ	Pos KM, HemaTrace	Pos KM, HemaTrace
JDFYR6	Pos KM, HemaTrace	Pos KM, HemaTrace
JDYD7L	Pos LMG	Pos LMG
JEKU6F	Pos TMB	Pos TMB
JEPJKR	Pos KM	Pos KM
JEQE4X	Pos KM	Pos KM
JFK3LT	Pos KM, HemDirect	Pos KM, HemDirect
JGU6EJ	Pos KM, HemDirect	Pos KM, HemDirect
JJ27YB	Pos KM	Pos KM
JLTFAJ	Pos KM	Pos KM
JLZFXR	Pos ALS, LMG, ABA HemaTrace	Pos ALS, LMG, ABA HemaTrace
JPAL7T	Pos KM	Pos O-tol, HemaTrace
JQHZDY	Pos KM	Pos KM
JRTLLU	Pos KM, HemaTrace	Pos KM, HemaTrace
JUCMH2	Pos KM, Hemastix	Pos KM, Hemastix
JUW8JT	Pos TMB	Pos TMB
JVVX3	Pos KM, HemaTrace	Pos KM, HemaTrace
JWKL7G	Pos TMB	Pos TMB
JXH2E8	Pos LMG	Pos LMG
JXHHQP	Pos LMG	Pos LMG
K2VYJA	Pos KM	Pos KM
K4NBKL	Pos LMG	Pos LMG
K7EGYQ	Pos KM	Pos KM
K7R724	Pos KM	Pos KM
K8Z362	Pos ABA Heme	Pos ABA Heme
K9AYNK	Pos KM	Pos KM



TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
K9FYZL	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
KABMEB	Pos ALS, KM	Pos ALS, KM
KCGNHZ	Pos KM	Pos KM
KEWTLH	Pos RSID	Pos RSID
KFRHU7	Pos HemaTrace	Pos HemaTrace
KGDBBN	Pos LMG	Pos LMG
KGTWYR	Pos LMG, HemaTrace	Pos LMG, HemaTrace
KKBPYD	Pos KM	Pos KM
KL3HK4	Pos KM, HemaTrace	Pos KM, HemaTrace
KL6DG9	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
KMQWUL	Pos KM	Pos KM
KMX36G	Pos TMB	Pos TMB
KN8YT8	Pos KM	Pos KM
KNAJKG	Pos TMB	Pos TMB
KPH4Z4	Pos KM, HemaTrace	Pos KM, HemaTrace
KQBUAP	Pos KM	Pos KM
KV2BD3	Pos KM, TMB	Pos KM, TMB
KWFHZJ	Pos KM	Pos KM
KXWMNA	Pos KM	Pos KM
L2CKP6	Pos KM, HemaTrace	Pos KM, HemaTrace
L2EDD6	Pos TMB	Pos TMB
L2FDQ6	Pos O-tol	Pos O-tol
L6UBW7	Pos PTMB, HemaTrace	Pos PTMB
L944HJ	Pos KM	Pos KM
LA8XNP	Pos KM, HemDirect	Pos KM, HemDirect
LATWYP	Pos LMG	Pos LMG
LB4GQQ	Pos KM, HemDirect	Pos KM, HemDirect
LBHXPQ	Pos KM, RSID	Pos O-tol, HemaTrace
LD7CDZ	Pos KM, HemaTrace	Pos KM, HemaTrace
LEYTHP	Pos LMG	Pos LMG
LF2B37	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
LHBLCB	Pos KM, HemaTrace	Pos KM, HemaTrace
LHXZVM	Pos KM	Pos KM
LLG7GN	Pos TMB, HemaTrace	Pos TMB, HemaTrace
LMYHB9	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
LNH89K	Pos KM, rtPCR	Pos KM, rtPCR
LP49F3	Pos KM, HemaTrace	Pos KM, HemaTrace
LPFLNQ	Pos KM, TMB	Pos KM, TMB
LPQRLM	Pos LMG, Ouchterlony	Pos LMG, Ouchterlony
LPUAQD	Pos KM	Pos KM
LR7B4H	Pos KM	Pos KM
LRL8FX	Pos TMB	Pos TMB
LTHFRM	Pos LMG	Pos LMG
LTTKLD	Pos KM	Pos KM
LTZFH7	Pos LMG	Pos LMG
LVNU8F	Pos KM	Pos KM
LWXVCM	Pos TMB	Pos TMB
LZHW7A	Pos KM	Pos KM
M27PJ4	Pos KM, HemaTrace	Pos KM, HemaTrace
M3E2WY	Pos KM, LMG, HemaTrace	Pos KM, LMG, HemaTrace
M3MPV7	Pos KM, HemaTrace	Pos KM, HemaTrace
M4ZZMP	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
M688YP	Pos KM	Pos KM
M7NQXN	Pos LMG	Pos LMG
M8CE6H	Pos TMB	Pos TMB
M99UD9	Pos KM	Pos KM
M9RLE7	Pos KM, HemaTrace	Pos KM, HemaTrace
MBW92J	Pos SERATEC HEM	Pos SERATEC HEM
MCUWJY	Pos KM, HemaTrace	Pos KM, HemaTrace
MDG7DF	Pos TMB	Pos TMB
MFBWN2	Pos TMB	Pos TMB
MG2793	Pos KM, HemaTrace	Pos KM, HemaTrace
MG6MRU	Pos KM	Pos KM
MGGGAF	Pos TMB	Pos TMB
MHUXHM	Pos KM, HemaTrace	Pos KM, HemaTrace
MK2H43	Pos KM, HemaTrace	Pos KM, HemaTrace
MK4JCZ	Pos KM and HemaTrace	Pos KM and HemaTrace
MLN22T	Pos LMG, HT	Pos LMG, HT
MLU9EM	Pos KM	Pos KM
MM7GK8	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
MPAU8U	Pos TMB	Pos TMB
MR7ZXM	Pos LMG	Pos LMG
MRYW4H	Pos KM, HemaTrace	Pos KM, HemaTrace
MT6L3K	Pos KM	Pos KM
MTTE6N	Pos KM, Hem	Pos KM, Hem
MU6HVN	Pos LMG	Pos LMG
MUELX2	Pos KM, HemaTrace	Pos KM, HemaTrace
MVZ2VU	Pos KM	Pos KM
MW37NQ	Pos KM	Pos KM
MWUFAR	Pos KM	Pos KM
MYLNNH	Pos TMB	Pos TMB
N2ZUD3	Pos KM	Pos KM
N4VR6N	Pos KM	Pos KM
N96K3N	Pos TMB	Pos PHT
NAVVUG	Pos O-tol	Pos O-tol
NB7Q79	Pos KM, HemaTrace	Pos KM, HemaTrace
NBNJCC	Pos KM, HemaTrace	Pos KM, HemaTrace
NBNUHE	Pos KM, HemaTrace	Pos KM, HemaTrace
NC2U4U	Pos KM	Pos KM
NDJBCP	Pos KM	Pos KM
NE8T8V	Pos TMB	Pos TMB
NHMEPG	Pos KM	Pos KM
NLDQBM	Pos KM and HemaTrace	Pos KM and HemaTrace
NNJ9B4	Pos PTMB	Pos PTMB, HemaTrace
NQ7V4Q	Pos O-tol	Pos O-tol
NQKZ2A	Pos KM	Pos KM
NT7MUX	Pos KM	Pos KM
NTPFNF	Pos Kastle Meyer	Pos Kastle Meyer
NVJJRU	Pos Hemdirect	Pos Hemdirect
NVTFEE	Pos RSID	Pos RSID
NVX2HT	Pos KM	Pos KM
NZFPZ	Pos KM, HemaTrace	Pos KM, HemaTrace
P3NRXE	Pos KM, rtPCR	Pos KM, rtPCR
P4A7YY	Pos TMB, Takayama	Pos TMB, Takayama
P629LE	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
P7NFF3	Pos KM	Pos KM
P88QKA	Pos TMB	Pos TMB
PAQTJ3	Pos KM	Pos KM
PBQAX7	Pos KM	Pos KM
PF2UUX	Pos KM, HemaTrace	Pos KM, HemaTrace
PJ3GLM	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
PKZJKY	Pos KM	Pos KM
PMUCP9	Pos PH, HemaTrace	Pos PH, HemaTrace
PN9R6V	Pos KM	Pos KM
PP4L7Q	Pos KM	Pos KM
PP86BG	Pos KM	Pos KM
PQTYQ4	Pos Hemastix	Pos Hemastix
PTA6BE	Pos KM, Hemdirect	Pos KM, Hemdirect
PVW238	Pos TMB	Pos TMB
PXK4VK	Pos KM, ABACard-HemaTrace	Pos KM, ABACard-HemaTrace
PZY99B	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
Q22PBK	Pos TMB(Hemastix), HemaTrace	Pos TMB(Hemastix), HemaTrace
Q2F8C6	Pos KM, Hemdirect	Pos KM, Hemdirect
Q493WT	Pos KM	Pos KM
Q4KFZB	Pos KM	Pos KM
Q8K7MV	Pos PTMB, RSID	Pos PTMB, RSID
Q98HVU	Pos KM, TMB	Pos KM, TMB
Q9CNK6	Pos KM, HemaTrace	Pos KM, HemaTrace
Q9F9CE	Pos TMB	Pos TMB
QDLZ7J	Pos LMG	Pos LMG
QDWUJK	Pos KM, HemaTrace	Pos KM, HemaTrace
QE4N7R	Pos TMB	Pos TMB
QEGE2P	Pos O-tol, HemDirect	Pos O-tol, HemDirect
QFDV9K	Pos TMB	Pos TMB
QFNZ7G	Pos LMG, RSID	Pos LMG, RSID
QGPKMQ	Pos KM, HemaTrace	Pos KM, HemaTrace
QGW6EK	Pos KM, HemaTrace	Pos KM, HemaTrace
QH2RRP	Pos KM	Pos KM
QJPUBD	Pos KM	Pos KM
QJQYG9	Pos LMG, RSID	Pos LMG, RSID

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
QJU862	Pos KM	Pos KM
QL2PW6	Pos KM	Pos KM
QLJQRK	Pos TMB	Pos KM
QME6JJ	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
QNTZCJ	Pos LMG	Pos LMG
QPJ7QN	Pos KM	Pos KM
QUCQH7	Pos KM	Pos KM
QV7QKB	Pos TMB	Pos TMB
QY9L9K	Pos KM	Pos KM
QYBJWF	Pos LMG	Pos LMG
QYQGR8	Pos TMB	Pos TMB
QZXWYD	Pos TMB	Pos TMB
QZZL4A	Pos TMB	Pos TMB
R2EU43	Pos KM, Hemdirect	Pos KM, Hemdirect
R2Q8CR	Pos TMB	Pos PHT
R36J9B	Pos KM, HemaTrace	Pos KM, HemaTrace
R4FLUA	Pos KM, HemaTrace	Pos KM, HemaTrace
R687FZ	Pos KM	Pos KM
R8B47F	Pos KM	Pos KM
R8H6AV	Pos TMB, Micro	Pos TMB, Micro
R9A9VB	Pos TMB	Pos TMB
RBV9HK	Pos LMG	Pos LMG
RC8LMG	Pos KM, ABA card	Pos KM, ABA card
RC9LKV	Pos ABACard Hematarce	Pos ABACard Hematarce
RCBA3Y	Pos TMB	Pos TMB
RCBZX2	Pos PTMB	Pos PTMB
RE3DPE	Pos LMG	Pos LMG
RFLN67	Pos KM	Pos KM
RFRNF8	Pos KM	Pos KM
RH3J9Q	Pos PHT	Pos PHT
RHVFF8	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
RHVNCX	Pos ABA Heme	Pos ABA Heme
RJLUNH	Pos LMG	Pos LMG
RKWLFL	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
RMQDUQ	Pos KM, HemaTrace	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
RMRT6N	Pos KM	Pos KM
RNYWVZ	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
RPWPQ7	Pos KM	Pos KM
RPZAT2	Pos KM, HemaTrace	Pos KM, HemaTrace
RT2TUL	Pos KM	Pos KM
RUPP3G	Pos KM	Pos KM
RY9NTH	Pos LMG	Pos LMG
RYG2XD	Pos	Pos
RZBTXQ	Pos KM, HemaTrace	Pos KM, HemaTrace
RZX2CZ	Pos LMG, HemaTrace	Pos LMG, HemaTrace
T4ZRHL	Pos KM	Pos KM
T67TTD	Pos KM	Pos KM
T73VK8	Pos KM, Hemdirect	Pos KM, Hemdirect
T8Z7HV	Pos TMB, HemaTrace	Pos TMB, HemaTrace
TAWDNF	Pos KM	Pos KM
TDHUHM	Pos LMG	Pos LMG
TDYBCF	Pos TMB	Pos TMB
TFQRNU	Pos KM, HemaTrace	Pos KM, HemaTrace
TFTL3U	Pos KM	Pos KM
THVUED	Pos LMG	Pos LMG
THXJMG	Pos Luminol, KM	Pos KM
TKH4EJ	Pos KM	Pos KM
TKQR9K	Pos KM	Pos KM
TL2VKN	Pos KM, HemDirect	Pos KM, HemDirect
TQAK6C	Pos TMB	Pos TMB
TTNF6G	Pos LMG	Pos LMG
TU7RET	Pos KM, HemaTrace	Pos KM, HemaTrace
TULMUN	Pos LMG, HemaTrace	Pos LMG, HemaTrace
TVW4UZ	Pos KM	Pos KM
TY3Q3J	Pos KM	Pos KM
TY3TMG	Pos LMG	Pos LMG
TYFL6D	Pos KM	Pos KM
TZEPU8	Pos TMB	Pos TMB
U3NCNK	Pos KM	Pos KM
U7F6F9	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
U96ZTL	Pos KM	Pos KM
U9LMGP	Pos TMB	Pos TMB
U9PW2F	Pos KM, RSID	Pos KM, O-tol, HemaTrace
UACW2Q	Pos KM	Pos KM
UC7NBC	Pos PTMB	Pos PTMB
UCLXCP	Pos TMB	Pos TMB
UDC9WQ	Pos KM	Pos KM
UE69RG	Pos LMG	Pos LMG
UFQWUQ	Pos KM, Hem	Pos KM, Hem
UHXAHJ	Pos KM	Pos KM
UKE4U6	Pos KM	Pos KM
UKWRDQ	Pos KM, HemDirect	Pos KM, HemDirect
UMGB4A	Pos TMB	Pos TMB
UNX7BB	Pos TMB	Pos TMB
UNZDA3	Pos KM, Hemdirect	Pos KM, Hemdirect
UPEVGE	Pos KM	Pos KM
UQ26ZA	Pos O-tol	Pos O-tol
URG86W	Pos HemaTrace	Pos HemaTrace
URQXRY	Pos Hemastix	Pos Hemastix
UWAF8H	Pos LMG	Pos LMG
UYE7CC	Pos KM	Pos KM
UYWXGG	Pos TMB	Pos TMB
V2QKTP	Pos KM	Pos KM
V38KHY	Pos KM	Pos KM
V3QE8F	Pos TMB	Pos TMB
V3QHJD	Pos RSID-Blood	Pos RSID-Blood
VARMGN	Pos KM, HemaTrace	Pos KM, HemaTrace
VCKYTL	Pos HemeDirect	Pos HemeDirect
VCLPRP	Pos KM, HemaTrace	Pos KM, HemaTrace
VE8MZF	Pos KM, RSID	Pos O-tol, HemaTrace
VFJANL	Pos KM	Pos KM
VJY2H	Pos KM	Pos KM
VP84ZH	Pos KM	Pos KM
VQJAE2	Pos TMB	Pos TMB
VQZKUL	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
VUUFL9	Pos O-tol	Pos O-tol
VXEGT2	Pos KM	Pos KM
W3NZ6E	Pos LMG	Pos LMG
W8DMQ8	Pos KM, RSID	Pos KM, RSID
W8ZYMZ	Pos KM	Pos KM
W92BLU	Pos TMB	Pos TMB
W9DHHQ	Pos KM, TMB	Pos KM, TMB
WA6L67	Pos RSID	Pos RSID
WB23C2	Pos O-tol	Pos O-tol
WCCRXY	Pos KM	Pos KM
WD6UC2	Pos KM, Hemtrace	Pos KM, HemaTrace
WENZ76	Pos KM	Pos KM
WGNX9Y	Pos KM	Pos KM
WGUXLL	Pos KM	Pos KM
WJJWQP	Pos KM, HemaTrace	Pos KM, HemaTrace
WL4RHN	Pos KM	Pos KM
WMACWX	Pos KM	Pos KM
WNCUFF	Pos KM, RSID	Pos KM, O-tol, HemaTrace
WNQFTN	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
WNV8WK	Pos LMG	Pos LMG
WPJVZ9	Pos O-tol	Pos O-tol
WQBXMN	Pos TMB, Hemastix, Bluestar OBTI, RSID Blood	Pos TMB, Hemastix, Bluestar OBTI, RSID Blood
WVTJ4F	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
WW8WLX	Pos KM	Pos KM
WXFJ4Q	Pos TMB	Pos TMB
WXU78D	Pos LMG	Pos LMG
WYVB9M	Pos KM	Pos KM
WZ3CQU	Pos KM, HemaTrace	Pos KM, HemaTrace
X29UPP	Pos ABA Heme	Pos ABA Heme
X3894V	Pos KM, HemaTrace	Pos KM, HemaTrace
X4WM2J	Pos KM, HemaTrace	Pos KM, HemaTrace
X9XHET	Pos TMB	Pos TMB
XA8V8A	Pos KM	Pos KM
XB9VGZ	Pos KM	Pos KM
XBWYAA	Pos KM	Pos KM



TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
XCTDYN	Pos KM, TMB	Pos KM, TMB
XD7AUY	Pos KM	Pos KM
XEJHNE	Pos TMB, KM	Pos TMB, KM
XF3T46	Pos KM	Pos KM
XGN4KR	Pos KM, HemaTrace	Pos KM, HemaTrace
XHK4BW	Pos KM, HemDirect	Pos KM, HemDirect
XKNGY4	Pos TMB	Pos TMB
XM8HUQ	Pos KM, HemaTrace	Pos KM, HemaTrace
XMGBT6	Pos KM	Pos KM
XU7WPZ	Pos KM, HemaTrace	Pos KM, HemaTrace
XUQJFV	Pos KM	Pos KM
XX6BEB	Pos KM	Pos KM
XYLFZF	Pos KM	Pos KM
XZY8TW	Pos KM	Pos KM
Y34YJN	Pos Heme	Pos Heme
Y93QJ6	Pos KM	Pos KM
Y9N3GJ	Pos KM	Pos KM
YAFD2K	Pos KM	Pos KM
YAJTF7	Pos TMB	Pos TMB
YCUUZX	Pos KM, HemDirect	Pos KM, HemDirect
YE6PTG	Pos TMB	Pos KM
YFA4UB	Pos LMG	Pos LMG
YGXGCT	Pos LMG	Pos LMG
YHEL2J	Pos LMG	Pos LMG
YK2XHG	Pos KM	Pos KM
YNHPMB	Pos Visual Exam, Luminol, Infrared (IR) Light, KM	Pos Visual Exam, Luminol, Infrared (IR) Light, KM
YPE9NC	Pos KM	Pos KM
YTQ3F3	Pos KM, Ouchterlony	Pos KM, Ouchterlony
YTWTL7	Pos KM	Pos KM
YY6YHC	Pos KM	Pos KM
Z3CKF4	Pos KM	Pos KM
Z3DAN8	Pos KM	Pos KM
Z489NQ	Pos KM	Pos KM
Z63RPR	Pos KM, HemaTrace	Pos KM, HemaTrace
Z72BVK	Pos KM, HemeDirect	Pos KM, HemeDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
Z76PTF	Pos KM	Pos KM
Z8D2BG	Pos KM	Pos KM
Z967EN	Pos KM, HEM Direct	Pos KM, HEM Direct
ZBNRZD	Pos LMG, HemaTrace	Pos LMG, HemaTrace
ZC7HNP	Pos KM, HemaTrace	Pos KM, HemaTrace
ZCLTCW	Pos KM	Pos KM
ZFL48W	Pos KM	Pos KM
ZLRG4E	Pos KM	Pos KM
ZNK8DZ	Pos KM	Pos KM
ZQN3UG	Pos KM	Pos KM
ZRVTVZ	Pos KM	Pos KM
ZTLYA6	Pos Hemochromogen	Pos Hemochromogen
ZVXKCD	Pos KM, HemaTrace	Pos KM, HemaTrace
ZXBGBA	Pos Leucomalachite green	Pos Leucomalachite green
ZZ6BFJ	Pos KM	Pos KM
ZZD2VH	Pos TMB	Pos TMB
ZZDYAK	Pos KM	Pos KM

Table 1a: Serology Screening Response Summary - Blood			Participants: 680
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	<b>680</b>	<b>680</b>	
Negative	<b>0</b>	<b>0</b>	
Inconclusive	<b>0</b>	<b>0</b>	
Not Tested (NT)	<b>0</b>	<b>0</b>	
Not Reported	<b>0</b>	<b>0</b>	

# Serology Screening Results

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

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
224KFF	Neg AP	Neg AP
22TTLF	Neg AP, PSA, Micro	Neg AP, PSA, Micro
24QBEZ	Neg ALS, AP	Neg ALS, AP
24UD4P	Neg AP	Neg AP
27CF3H	Neg AP, Micro, RSID	Neg AP, Micro, RSID
28M2G6	Neg ALS	Neg ALS
28MW73	Neg ALS, AP	Neg ALS, AP
29YAMP	Neg AP	Neg AP
2D8KGQ	Neg AP, PSA	Neg AP, PSA
2EQUXF	Neg ALS, AP	Neg ALS, AP
2LKXTB	Neg SM	Neg SM
2MJ9JD	Neg ALS, AP	Neg ALS, AP
2N8PNE	Neg ALS, AP, Micro	Neg ALS, AP, Micro, RSID Semen
2VUXAB	Neg AP; Micro; RSID	Neg AP; Micro; RSID
329U8C	Neg AP Spot, Micro	Neg AP Spot, Micro
32KNEL	Neg AP, PSA, Micro	Neg AP, PSA, Micro
3ALLXA	Neg SM	Neg SM
3ALUPU	Neg AP	Neg AP
3B848B	Neg ALS, AP	Neg ALS, AP
3CA9E4	Neg AP	Neg AP
3FC7MB	Neg AP	Neg AP
3HZKCK	Neg ALS, AP	Neg ALS, AP
3MF77D	Neg ALS, AP	Neg ALS, AP
3QLTFQ	Neg AP, PSA, ALS	NT
3RFQFA	Neg AP, PSA	Neg AP, PSA
3RQMRF	Neg AP, Micro, RSID Sg	Neg AP, Micro, RSID Sg
3UQCWP	Neg ALS, AP	Neg ALS, AP
3UR2BU	Neg ALS, AP	Neg ALS, AP
3UYRBW	Neg AP	Neg AP
3XQMRP	Neg ALS, AP	Neg ALS, AP
3YTPZM	Neg AP	Neg AP
42UQ7X	Neg AP, ALS	Neg AP, ALS

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
42VLTA	Neg ALS, AP, Micro	Neg ALS, AP, Micro
474RPF	Neg ALS, AP, p30, Micro	Neg ALS, AP, p30, Micro
4AGQM3	Neg ALS, AP	Neg ALS, AP
4D4PAH	Neg AP, PSA, Micro	Neg AP, PSA, Micro
4FCJU4	Neg ALS, AP	Neg ALS, AP
4L4GR8	Neg AP	Neg AP
4MR6Y2	Neg ALS, AP	Neg ALS, AP
4NNHLU	Neg ALS, AP	Neg ALS, AP
4QR9TA	Neg ALS, AP	Neg ALS, AP
4RNAMK	Neg AP	Neg AP
4TD9EH	Neg AP	Neg AP
4U6C2X	Neg AP, ALS	Neg AP, ALS
4UTAWC	Neg AP, ALS	Neg AP, ALS
4WDBRY	Neg AP	Neg AP
4YPWU8	Neg AP	Neg AP
4ZYC9L	Neg AP	Neg AP
672FM6	Neg AP	Neg AP
6QAK89	Neg ALS, AP	Neg ALS, AP
724H8D	Neg AP, p30, ALS, Micro	Neg AP, p30, ALS, Micro
76JU4U	Neg ALS, AP	Neg ALS, AP
7DCNB6	Neg AP, Micro, RSID	Neg AP, Micro, RSID
7DHCMC	Neg ALS, AP, Micro	Neg ALS, AP, Micro
7EVBB9	Neg AP, Micro	Neg AP, Micro
7KZ7V9	Neg AP, PSA, Micro	Neg AP, PSA, Micro
7X78PC	Neg AP, Micro, RSID	Neg AP, Micro, RSID
7XKA2X	Neg AP	Neg AP, PSA
827TXU	Neg AP	Neg AP
84MUL9	Neg AP, PSA, ALS, Micro	Neg AP, PSA, ALS, Micro
84TH7E	Neg AP	Neg AP
86HCMA	Neg ALS, AP	Neg ALS, AP
8BP4A8	Neg p30	Neg p30
8E3VUM	Neg ALS, AP	Neg ALS, AP
8EZWUZ	Neg PSA	Neg PSA
8GCN29	Neg ALS, AP	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
8GVX7N	Neg AP	Neg AP
8PJEEJ	Neg ALS, AP	Neg ALS, AP
8Q2EKU	Neg AP, ALS	Neg AP, ALS
8V9RHT	Neg AP	Neg AP
8ZNP9	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
92FGEC	Neg ALS, AP, PSA	Neg ALS, AP, PSA
96H74Z	Neg AP, ALS	Neg AP, ALS
97BFZH	Neg ALS, AP	Neg ALS, AP
9A6F27	Neg AP	Neg AP
9A6K83	Neg AP, Micro, PSA	Neg AP, Micro, PSA
9HK9GW	Neg ALS, AP	Neg ALS, AP
9KQNUU	Neg ALS, AP	Neg ALS, AP
9RAXXW	Neg Phosphatesmo KM, PSA	Neg Phosphatesmo KM, PSA
9RNFZ3	Neg ALS; AP	Neg ALS; AP
9U4Z7C	Neg AP, PSA, Micro	Neg AP, PSA, Micro
9UH4JX	Neg ALS, AP	Neg ALS, AP
9VALUC	Neg AP, PSA	Neg AP, PSA
9XEPB2	Neg ALS, AP	Neg ALS, AP
A2BRX2	Neg AP	Neg AP
A34N4W	Neg ALS, AP	Neg ALS, AP
A3MBYX	Neg ALS, AP	Neg ALS, AP
A8HNQU	Neg AP	Neg AP
A9UZF7	Neg ALS, AP	Neg ALS, AP
AANPFT	Neg ALS, AP	Neg ALS, AP
ABCUNJ	Neg AP, p30, Micro	Neg AP, p30, Micro
AH34DA	Neg AP, Micro, RSID	Neg AP, Micro, RSID
AHF4BY	Neg AP, Micro, PSA	Neg AP, Micro, PSA
ANKZUY	Neg ALS, AP	Neg ALS, AP
ARL2Y2	Neg RSID Semen	Neg RSID Semen
AUD2B6	Neg ALS, AP	Neg ALS, AP
B73TH8	Neg Micro, RSID-Sg	Neg Micro, RSID-Sg
B7JCF7	Neg ALS, AP	Neg ALS, AP
B8BLZ8	Neg p30	Neg p30
B8HH28	Neg AP	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
B94DBT	Neg AP	Neg AP
BGD6N	Neg AP, RSID	Neg AP, RSID
BNXZGK	Neg AP, ALS	Neg AP, ALS
BQ69RQ	Neg AP, ALS	Neg AP, ALS
BU8864	Neg ALS, AP	Neg ALS, AP
BWEAB9	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
BYWUHW	Neg AP, PSA	Neg AP, PSA
BZR9AV	Neg AP, Micro, PSA	Neg AP, Micro, PSA
C269WH	Neg AP, PSA, Micro	Neg AP, PSA, Micro
C4DWDD	Neg AP	Neg AP
CC3PMP	Neg AP	Neg AP
CETN49	Neg ALS, AP, PSA	Neg ALS, AP, PSA
CF4TEC	Neg AP, PSA, Micro	Neg AP, PSA, Micro
CJRH7Y	Neg AP, ALS, Micro	Neg AP, ALS, Micro
CKY2N8	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
CL4KFN	Neg AP	Neg AP
CR2GM9	Neg AP, Micro, RSID	Neg AP, Micro, RSID
CVWVB	Neg AP, PSA, Micro	Neg AP, PSA, Micro
D7GUJZ	Neg AP, Microscopy	Neg AP, Microscopy
D9MCKG	Neg AP	Neg AP
DBM9PW	Neg AP, Micro, p30	Neg AP, Micro, p30
DCYY2L	Neg ALS, AP	Neg ALS, AP
DDFXG6	Neg ALS, AP	Neg ALS, AP
DHK4KA	Neg ALS, AP	Neg ALS, AP
DL9PXC	Neg ALS, AP	Neg ALS, AP
DMFNX7	Neg AP, ALS, PSA, Micro	Neg AP, ALS, PSA, Micro
DQ4PUY	Neg AP, Micro, RSID	Neg AP, Micro, RSID
E2HG3N	Neg ALS, AP	Neg ALS, AP
E7LG7X	Neg AP, Micro, PSA	Neg AP, Micro, PSA
E7P6FP	Neg ALS, AP	Neg ALS, AP
E8Y78P	Neg ALS, AP, Micro	Neg ALS, AP, Micro
E9UQ8V	Neg AP, ALS, Micro, PSA	Neg AP, ALS, Micro, PSA
EFHYPL	Neg AP	Neg AP
EGNPXG	Neg ALS, AP	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
EKTDFR	Neg AP	Neg AP
EPXAYR	Neg AP, Micro	Neg AP, Micro
ERV29Y	Neg ALS, AP, & Micro	Neg ALS, AP, & Micro
F9DGT7	Neg AP, PSA, Micro	Neg AP, PSA, Micro
F9DRUX	Neg ALS, AP, Micro	Neg ALS, AP, Micro
F9MYJK	Neg AP	Neg AP
FDPAZY	Neg AP	Neg AP
FFU6W4	Neg ALS, AP	Neg ALS, AP
FGM8DR	Neg AP, Micro	Neg AP, Micro
FP2AJT	Neg ALS, AP	Neg ALS, AP
FPZ6CW	Neg AP	Neg AP
FRKBDE	Neg AP, ALS	Neg AP, ALS
FVKBNJ	Neg ALS, AP	Neg ALS, AP
FWGQDN	Neg ALS, AP	Neg ALS, AP
FY2R8A	Neg AP	Neg AP
G27KRZ	Neg ALS, AP	Neg ALS, AP
G6QLMM	Neg AP, p30	Neg AP, p30
G8RTK6	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
GDJEUX	Neg AP	Neg AP
GEFN7N	Neg AP	Neg AP
GEUPMQ	Neg AP, PSA, Micro	Neg AP, PSA, Micro
GHUYV7	Neg AP	Neg AP
GJ9KJZ	Neg AP	Neg AP
GTE8RZ	Neg ALS, AP	Neg ALS, AP
GUB6X8	Neg AP, PSA, Micro	Neg AP, PSA, Micro
GXBGT8	Neg AP, PSA, Micro	Neg AP, PSA, Micro
GYH9TV	Neg AP	Neg AP
H9PXYJ	Neg AP	Neg AP
HB9FYB	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
HKJNQX	Neg AP, ALS	Neg AP, ALS
HLUW8P	Neg AP	Neg AP
HMNTKQ	Neg ALS, AP	Neg ALS, AP
HPUG3W	Neg ALS, AP	Neg ALS, AP
HWDJ6X	Neg BCIP	Neg BCIP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
J4MP43	Neg AP	Neg AP
J4PENR	Neg AP	Neg AP
JABWR8	Neg ALS, AP, PSA	Neg ALS, AP, PSA
JD9XJJ	Neg PSA, Micro	Neg PSA, Micro
JEKU6F	Neg ALS, AP	Neg ALS, AP
JFK3LT	Neg AP, Micro, RSID	Neg AP, Micro, RSID
JLTFAJ	Neg AP	Neg AP
JRTLLU	Neg AP	Neg AP
JUW8JT	Neg ALS, AP	Neg ALS, AP
JVVX3	Neg AP, PSA, Micro	Neg AP, PSA, Micro
JWKL7G	Neg ALS, AP	Neg ALS, AP
JXH2E8	Neg AP	Neg AP
K7EGYQ	Neg AP	Neg AP
KABMEB	Neg ALS, AP	Neg ALS, AP
KEWTLH	Neg RSID	Neg RSID
KL6DG9	Neg AP, PSA	Neg AP, PSA
KMX36G	Neg ALS, AP	Neg ALS, AP
KNAJKG	Neg ALS, AP	Neg ALS, AP
KPH4Z4	Neg AP	Neg AP
KV2BD3	Neg AP	Neg AP
KWFHZJ	Neg AP	Neg AP
L2CKP6	Neg AP	Neg AP
L2EDD6	Neg ALS, AP	Neg ALS, AP
L2FDQ6	Neg ALS, AP, Micro	Neg ALS, AP, Micro
L6UBW7	Neg ALS, AP	Neg ALS, AP
LA8XNP	Neg AP	Neg AP
LATWYP	Neg AP	Neg AP
LB4GQQ	Neg AP, Micro, RSID	Neg AP, Micro, RSID
LEYTHP	Neg AP	Neg AP
LHBLCB	Neg ALS, AP	Neg ALS, AP
LLG7GN	Neg AP	Neg AP
LMYHB9	Neg ALS, AP, PSA	Neg ALS, AP, PSA
LP49F3	Neg AP, PSA, Micro	Neg AP, PSA, Micro
LPFLNQ	Neg ALS, AP, Micro	Neg ALS, AP, Micro



TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
LRL8FX	Neg ALS, AP	Neg ALS, AP
LTHFRM	Neg AP	Neg AP
LTTKLD	Neg AP	Neg AP
LTZFH7	Neg AP	Neg AP
LWXVCM	Neg ALS, AP	Neg ALS, AP
LZHW7A	Neg AP, ALS	Neg AP, ALS
M27PJ4	Neg AP	Neg AP
M3E2WY	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
M4ZZMP	Neg PSA, AP	Neg PSA, AP
M688YP	Neg AP, Micro	Neg AP, Micro
M7NQXN	Neg AP	Neg AP
M8CE6H	Neg ALS, AP	Neg ALS, AP
MDG7DF	Neg ALS, AP	Neg ALS, AP
MFBWN2	Neg ALS, AP	Neg ALS, AP
MG6MRU	Neg ALS, AP	Neg ALS, AP
MGGGAF	Neg ALS, AP	Neg ALS, AP
MK4JCZ	Neg AP, PSA and Micro	Neg AP, PSA and Micro
MPAU8U	Neg ALS, AP	Neg ALS, AP
MR7ZXM	Neg AP	Neg AP
MRYW4H	Neg AP, Micro	Neg AP, Micro
MTTE6N	Neg AP, Micro, RSID	Neg AP, Micro, RSID
MUELX2	Neg AP, PSA, Micro	Neg AP, PSA, Micro
MVZ2VU	Neg ALS, AP	Neg ALS, AP
MYLNNH	Neg ALS, AP	Neg ALS, AP
N2ZUD3	Neg ALS, AP	Neg ALS, AP
N4VR6N	Neg AP, Micro	Neg AP, Micro
N96K3N	Neg ALS, AP	Neg ALS, AP
NB7Q79	Neg ALS, AP	Neg ALS, AP
NBNJCC	Neg ALS, AP	Neg ALS, AP
NBNUHE	Neg AP, Micro	Neg AP, Micro
NE8T8V	Neg ALS, AP, Micro	Neg ALS, AP, Micro
NQ7V4Q	Neg AP, PSA, Micro	Neg AP, PSA, Micro
NVJJRU	Neg PSA	Neg PSA
NVTFEE	Neg RSID	Neg RSID

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
P629LE	Neg ALS, AP	Neg ALS, AP
P88QKA	Neg ALS, AP	Neg ALS, AP
PJ3GLM	Neg AP, PSA	Neg AP, PSA
PMUCP9	Neg ALS, AP	Neg ALS, AP
PP86BG	Neg AP, p30, Micro	Neg AP, p30, Micro
PVW238	Neg ALS, AP	Neg ALS, AP
PZY99B	Neg AP, PSA, Micro	Neg AP, PSA, Micro
Q22PBK	Neg ALS, AP	Neg ALS, AP
Q2F8C6	Neg AP	Neg AP
Q4KFZB	Neg AP, Micro for Sperm	Neg AP, Micro for Sperm
Q8K7MV	Neg PSA	Neg PSA
Q98HVU	Neg AP	Neg AP
Q9CNK6	Neg AP, Micro, PSA	Neg AP, Micro, PSA
Q9F9CE	Neg ALS, AP	Neg ALS, AP
QE4N7R	Neg ALS, AP	Neg ALS, AP
QEGE2P	Neg AP	Neg AP
QFDV9K	Neg ALS, AP, Micro	Neg ALS, AP, Micro
QFNZ7G	Neg AP, RSID	Neg AP, RSID
QGPKMQ	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QJQYG9	Neg AP, RSID	Neg AP, RSID
QL2PW6	Neg AP, ALS	Neg AP, ALS
QLJQRK	Neg ALS, AP	Neg ALS, AP
QUCQH7	Neg ALS, AP	Neg ALS, AP
QV7QKB	Neg ALS, AP	Neg ALS, AP
QY9L9K	Neg AP	Neg AP
QYQGR8	Neg ALS, AP	Neg ALS, AP
QZXWYD	Neg ALS, AP	Neg ALS, AP
QZZL4A	Neg AP, ALS	Neg AP, ALS
R2Q8CR	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
R9A9VB	Neg ALS, AP	Neg ALS, AP
RCBA3Y	Neg ALS, AP	Neg ALS, AP
RCBZX2	Neg AP	Neg AP
RE3DPE	Neg AP, ALS	Neg AP, ALS
RFLN67	Neg AP, PSA, Micro	Neg AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
RH3J9Q	Neg AP, ALS	Neg AP, ALS
RHVFF8	Neg AP, p30, Micro	Neg AP, p30, Micro
RKWFLF	Neg AP, PSA	Neg AP, PSA
RMRT6N	Neg ALS, AP, Micro	Neg ALS, AP, Micro
RNYWVZ	Neg AP	Neg AP
RY9NTH	Neg ALS, AP	Neg ALS, AP
RZX2CZ	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
T73VK8	Neg AP	Neg AP
T8Z7HV	Neg AP, PSA, Micro	Neg AP, PSA, Micro
TDHUHM	Neg ALS, AP	Neg ALS, AP
TDYBCF	Neg ALS, AP	Neg ALS, AP
TFQRNU	Neg AP, PSA, Micro	Neg AP, PSA, Micro
THVUED	Neg ALS, AP	Neg ALS, AP
THXJMG	Neg ALS, AP	Neg AP
TL2VKN	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
TQAK6C	Neg ALS, AP	Neg ALS, AP
TY3Q3J	Neg AP	Neg AP
TY3TMG	Neg ALS, AP	Neg ALS, AP
TZEPU8	Neg ALS, AP	Neg ALS, AP
U7F6F9	Neg ALS, AP	Neg ALS, AP
U96ZTL	Neg ALS, AP, Micro	Neg ALS, AP, Micro
U9LMGP	Neg ALS, AP	Neg ALS, AP
UC7NBC	Neg AP	Neg AP
UCLXCP	Neg ALS, AP	Neg ALS, AP
UE69RG	Neg PSA	Neg PSA
UFQWUQ	Neg Micro, RSID, AP	Neg Micro, RSID, AP
UHXAHJ	Neg AP, Micro	Neg AP, Micro
UKWRDQ	Neg AP, Micro, RSID	Neg AP, Micro, RSID
UMGB4A	Neg AP, ALS	Neg AP, ALS
UNX7BB	Neg AP, ALS	Neg AP, ALS
UNZDA3	Neg AP	Neg AP
UYWXGG	Neg AP, ALS	Neg AP, ALS
V38KHY	Neg ALS, AP	Neg ALS, AP
V3QE8F	Neg ALS, AP	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
V3QHJD	<b>Neg</b> RSID-Semen	<b>Neg</b> RSID-Semen
VARMGN	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
VCKYTL	<b>Neg</b> PSA	<b>Neg</b> PSA
VCLPRP	<b>Neg</b> AP, Micro, RSID Sg	<b>Neg</b> AP, Micro, RSID Sg
VFJANL	<b>Neg</b> PSA	<b>Neg</b> PSA
VQJAE2	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
VQZKUL	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
VUJFL9	<b>Neg</b> AP, PSA, Micro	<b>Neg</b> AP, PSA, Micro
W8DMQ8	<b>Neg</b> AP, ALS	<b>Neg</b> AP, ALS
W92BLU	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
W9DHHQ	<b>Neg</b> AP	<b>Neg</b> AP
WA6L67	<b>Neg</b> RSID	<b>Neg</b> RSID
WCCRXY	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
WD6UC2	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
WENZ76	<b>Neg</b> AP	<b>Neg</b> AP
WGNX9Y	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
WGUXLL	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
WNQFTN	<b>Neg</b> AP, PSA	<b>Neg</b> AP, PSA
WNV8WK	<b>Neg</b> AP	<b>Neg</b> AP
WQBXMN	<b>Neg</b> AP (Phosphatesmo), PSA, RSID Semen,	<b>Neg</b> AP (Phosphatesmo), PSA, RSID Semen,
WVTJ4F	<b>Neg</b> AP, PSA	<b>Neg</b> AP, PSA
WXFJ4Q	<b>Neg</b> AP, ALS	<b>Neg</b> AP, ALS
WZ3CQU	<b>Neg</b> AP	<b>Neg</b> AP
X4WM2J	<b>Neg</b> PSA	<b>Neg</b> PSA
X9XHET	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
XA8V8A	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> AP, Micro, PSA
XBWYAA	<b>Neg</b> AP	<b>Neg</b> AP
XCTDYN	<b>Neg</b> AP	<b>Neg</b> AP
XD7AUY	<b>Neg</b> AP	<b>Neg</b> AP
XEJHNE	<b>Neg</b> ALS, AP, PSA, Micro	<b>Neg</b> ALS, AP, PSA, Micro
XHK4BW	<b>Neg</b> AP	<b>Neg</b> AP
XKNGY4	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
XU7WPZ	<b>Neg</b> ALS, AP	<b>Neg</b> ALS, AP
Y34YJN	<b>Neg</b> Semenogelin	<b>Neg</b> Semenogelin

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
Y9N3GJ	Neg ALS, AP	Neg ALS, AP
YAJTF7	Neg ALS, AP	Neg ALS, AP
YCUUZX	Neg AP	Neg AP
YFA4UB	Neg ALS, AP	Neg ALS, AP
YGXGCT	Neg AP	Neg AP
YHEL2J	Neg AP	Neg AP
YK2XHG	Neg ALS, AP, Micro	Neg ALS, AP, Micro
YNHPMB	Neg ALS, AP, Micro	Neg ALS, AP, Micro
YPE9NC	Neg AP	Neg AP
YTWTL7	Neg AP, p30, Micro	Neg AP, p30, Micro
Z3DAN8	Neg AP, Micro, PSA	NT
Z489NQ	Neg ALS, AP	Neg ALS, AP
Z63RPR	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
Z72BVK	Neg AP, Micro, PSA	Neg AP, Micro, PSA
Z967EN	Neg AP, Micro, PSA	Neg AP, Micro, PSA
ZFL48W	Neg ALS, AP	Neg ALS, AP, PSA
ZNK8DZ	Neg AP	Neg AP
ZRVTVZ	Neg AP, Micro, ALS, PSA	Neg AP, Micro, ALS, PSA
ZVXKCD	Neg AP	Neg AP
ZZD2VH	Neg ALS, AP	Neg ALS, AP

Table 1b: Serology Screening Response Summary - Semen		Participants: 358	
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	0	0	
Negative	358	356	
Inconclusive	0	0	
Not Tested (NT)	0	2	
Not Reported	0	0	

# Serology Screening Results

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

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
28M2G6	Neg ALS	Neg ALS
2D8KGQ	Neg RSID	Neg RSID
2EQUXF	NT	
2LKXTB	Neg SALIgAE	Neg SALIgAE
2N8PNE	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
329U8C	Neg Seratec Amylase	Neg Seratec Amylase
32KNEL	Neg Phadebas	Neg Phadebas
3ALLXA	Neg SALIgAE	Neg SALIgAE
3ALUPU	Neg SALIgAE	NT
3FC7MB	Neg RSID-Saliva	Neg RSID-Saliva
3QLTFQ	Neg Amylase Tablets	NT
3RFQFA	Neg Phadebas	Neg Phadebas
3UR2BU	Neg ALS, Phadebas	Neg ALS, Phadebas
42VLTA	Neg Amylase Diffusion	Neg Amylase Diffusion
4AGQM3	Neg Phadebas	Neg Phadebas
4D4PAH	Neg Phadebas	Neg Phadebas
7KZ7V9	Neg SERATEC Amylase	Neg SERATEC Amylase
92FGEC	Neg Phadebas Tablet	Neg Phadebas Tablet
9RAXXW	Neg RSID Saliva	Neg RSID Saliva
9U4Z7C	Neg Phadebas	Neg Phadebas
ABFT39	Neg RSID	Pos RSID
AHF4BY	Neg Phadebas	Neg Phadebas
BGDX6N	Neg RSID	Neg RSID
BYWUHW	Neg Phadebas Amylase Test	Neg Phadebas Amylase Test
BZR9AV	Neg Phadebas	Neg Phadebas
C269WH	Neg Radial Diffusion	Neg Radial Diffusion
CETN49	Neg Phadebas Tablet	Neg Phadebas Tablet
CF4TEC	Neg Phadebas	Neg Phadebas
CJRH7Y	Neg Amylase Diffusion	Neg Amylase Diffusion
CL4KFN	Neg Phadebas	Neg Phadebas
D7GUJZ	Neg RSID	Neg RSID
DBM9PW	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
E8Y78P	Neg Phadebas	Neg Phadebas
EG6YQH	Neg ALS, SALIgAE	Neg ALS, SALIgAE
ERV29Y	Neg RSID	Neg RSID
F9DGT7	Neg Phadebas	Neg Phadebas
F9DRUX	Neg Phadebas	Neg Phadebas
F9MYJK	Neg Phadebas	NT
FPZ6CW	Neg Phadebas	Neg Phadebas
G8RTK6	Neg SALIgAE	Neg SALIgAE
GEUPMQ	Neg Phadebas	Neg Phadebas
GUB6X8	Neg Phadebas	Neg Phadebas
GXBGT8	Neg Phadebas	Neg Phadebas
GYH9TV	Neg Phadebas	Neg Phadebas
HB9FYB	Neg Radial Diffusion	Neg Radial Diffusion
HCLW8H	Neg Phadebas	Neg Phadebas
JABWR8	Neg Phadebas Tablet	NT
JD9XJJ	Neg RSID	Neg RSID
JRTLLU	Neg RSID-Saliva	Neg RSID-Saliva
JVVX3	Neg Phadebas	Neg Phadebas
JXH2E8	Neg RSID	Neg RSID
KEWTLH	Neg RSID	Neg RSID
KL6DG9	Neg Phadebas	Neg Phadebas
L2CKP6	Neg RSID	Neg RSID
LHBLCB	Neg ALS, Phadebas	Neg ALS, Phadebas
LLG7GN	Neg RSID	Neg RSID
LMYHB9	Neg Phadebas Tablet	Neg Phadebas Tablet
LP49F3	Neg Phadebas	Neg Phadebas
LTTKLD	NT	Neg Phadebas
LTZFH7	Neg RSID	Neg RSID
M27PJ4	Neg RSID	Neg RSID
M3E2WY	Neg SALIgAE	Neg SALIgAE
M4ZZMP	Neg Phadebas	Neg Phadebas
M688YP	Neg RSID	Neg RSID
MK4JCZ	Neg Phadebas	Neg Phadebas
MRYW4H	Neg Amylase	Neg Amylase

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
MUELX2	Neg Phadebas	Neg Phadebas
N4VR6N	Neg RSID	Neg RSID
NB7Q79	Neg ALS, Phadebas	Neg ALS, Phadebas
NBNUHE	Neg Phadebas	Neg Phadebas
NVTFEE	Neg RSID	Neg RSID
PJ3GLM	Neg Phadebas	Neg Phadebas
PMUCP9	Neg ALS, Phadebas	Neg ALS, Phadebas
PP86BG	Neg Amylase radial Diffusion	Neg Amylase radial Diffusion
PZY99B	Neg RSID, Micro	Neg RSID, Micro
Q9CNK6	Neg Phadebas	Neg Phadebas
QFNZ7G	Neg RSID	Neg RSID
QGPKMQ	Neg ALS, Phadebas	Neg ALS, Phadebas
QJQYG9	Neg RSID	Neg RSID
QY9L9K	Neg Phadebas	Neg Phadebas
R8B47F	Neg Phadebas	Neg Phadebas
RFLN67	Neg Amylase	Neg Amylase
RHVFF8	Neg RSID, Micro	Neg RSID, Micro
RKWLFL	Neg Phadebas	Neg Phadebas
RMRT6N	Neg ALS, Phadebas	Neg ALS, Phadebas
T8Z7HV	Neg Amylase Diffusion	Neg Amylase Diffusion
TFQRNU	Neg Phadebas	Neg Phadebas
TY3Q3J	Neg Phadebas	Neg Phadebas
U96ZTL	Neg ALS, Phadebas	Neg ALS, Phadebas
UE69RG	Neg RSID	Neg RSID
UHXAHJ	Neg RSID	Neg RSID
V3QHJD	Neg RSID-Saliva	Neg RSID-Saliva
VARMGN	Neg ALS, Phadebas	Neg ALS, Phadebas
WA6L67	Neg RSID	Neg RSID
WD6UC2	Neg ALS, Phadebas	Neg ALS, Phadebas
WQBXMN	Neg Phadebas, RSID Saliva	Neg Phadebas, RSID Saliva
WVTJ4F	Neg Phadebas	Neg Phadebas
X4WM2J	Neg RSID	Neg RSID
XA8V8A	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
XU7WPZ	Neg ALS, Phadebas	Neg ALS, Phadebas



TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
XX6BEB	Neg Phadebas	Neg Phadebas
YGXGCT	Neg RSID-Saliva	Neg RSID-Saliva
YK2XHG	Neg ALS, Phadebas	Neg ALS, Phadebas
YNHPMB	Neg Amylase Diffusion	Neg Amylase Diffusion
YPE9NC	Neg Phadebas	Neg Phadebas
YTQ3F3	Neg Amylase, ALS	Neg Amylase, ALS
Z3DAN8	Neg Phadebas	NT
Z63RPR	Neg alpha-Amylase	Neg alpha-Amylase
ZCLTCW	Neg SALIgAE	Neg SALIgAE
ZFL48W	NT	Neg SALIgAE
ZRVTVZ	Neg Phadebas	Neg Phadebas

Table 1c: Serology Screening Response Summary - Saliva			Participants: 111
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	0	1	
Negative	108	104	
Inconclusive	0	0	
Not Tested (NT)	3	5	
Not Reported	0	1	

# Serology Screening Results

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

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
26XR6H	Pos Plexor	Pos Plexor
26Z2E9	Pos HemaTrace	Pos HemaTrace
27CF3H	Pos CWD	Pos CWD
28M2G6	Pos PRECIPITIN	Pos PRECIPITIN
28MW73	Pos HemaTrace	Pos HemaTrace
2D8KGQ	Pos Hemedirect	Pos Hemedirect
2EQUXF	NT	
2GA4E7	Pos PowerQuant	Pos PowerQuant
2VUXAB	Pos Casework Direct	Pos Casework Direct
2X6M69	Pos PowerQuant	Pos PowerQuant
329U8C	Pos Seratec HemDirect	Pos Seratec HemDirect
3ALUPU	Pos HemaTrace	NT
3B848B	Pos HemaTrace	Pos HemaTrace
3FC7MB	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
3MF77D	Pos HemaTrace	Pos HemaTrace
3RFQFA	Pos Quant Trio	Pos Quant Trio
3RQMRF	Pos CWD	Pos CWD
3UR2BU	Pos HemaTrace	Pos HemaTrace
3XBB7D	Pos PowerQuant	Pos PowerQuant
42UQ7X	Pos HemaTrace	Pos HemaTrace
42VLTA	Pos	NT
474RPF	Pos HemaTrace	Pos HemaTrace
48FHLD	Pos PowerQuant	Pos PowerQuant
4AGQM3	Pos HemDirect	Pos HemDirect
4FCJU4	Pos HemaTrace	Pos HemaTrace
4GZ3QV	Pos RT-qPCR	Pos RT-qPCR
4MR6Y2	Pos HemaTrace	Pos HemaTrace
4WCKD4	Pos PowerQuant	Pos PowerQuant
672FM6	Pos Quant	Pos Quant
67GUH9	Pos Power Quant	Pos Power Quant
6QAK89	Pos HemaTrace	Pos HemaTrace
724H8D	Pos HemaTrace	Pos HemaTrace
76JU4U	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
7DCNB6	Pos	Pos
7DHCMC	Pos HemaTrace	Pos HemaTrace
7L93Y7	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
7WRJRD	Pos PowerQuant	Pos PowerQuant
7X78PC	Pos Y-screening Quant	Pos Y-screening Quant
7XKA2X	Pos HemaTrace	NT
82MEJD	Pos HemaTrace	Pos HemaTrace
83B4C6	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
84MUL9	Pos HemaTrace	Pos HemaTrace
86HCMA	Pos HemaTrace	Pos HemaTrace
8DVDXD	Pos PowerQuant	Pos PowerQuant
8EZWUZ	Pos Quantifiler Trio	Pos Quantifiler Trio
8G9B8K	Pos RT qPCR	Pos RT qPCR
8LZCGM	Pos Quantifiler Trio	Pos Quantifiler Trio
8V924X	Pos qRT-PCR	Pos qRT-PCR
8V9RHT	Pos HemaTrace	Pos HemaTrace
8ZNP9	Pos HemaTrace	Pos HemaTrace
9A6F27	Pos Seratec HemDirect	Pos Seratec HemDirect
9HK9GW	Pos HemaTrace	Pos HemaTrace
9NLHC3	Pos Quant Trio	Pos Quant Trio
9RAXXW	Pos Real-time PCR	Pos Real-time PCR
9RNFZ3	Pos HemaTrace	Pos HemaTrace
9V8EAQ	Pos RT-qPCR	Pos RT-qPCR
A34N4W	Pos HemDirect	Pos HemDirect
A9UZF7	Pos HemaTrace	Pos HemaTrace
ABWWQ9	Pos Quant Duo	Pos Quant Duo
AH34DA	Pos	Pos
AHF4BY	Pos HemaTrace	Pos HemaTrace
ANKZUY	Pos HemDirect	NT
ATV6VY	Pos HemaTrace	Pos HemaTrace
AUD2B6	Pos HemaTrace	Pos HemaTrace
B73TH8	Pos	Pos
BEAX9X	Pos HemDirect	Pos HemDirect
BGD6N		NT
BQ69RQ	Pos HEM	Pos HEM

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
BR8ECC	Pos RSID	Pos RSID
BU8864	Pos HemaTrace	Pos HemaTrace
BUJ629	Pos Quant	Pos Quant
BYWUHW	Pos Hemoglobin Assay	Pos Hemoglobin Assay
BZR9AV	Pos HemDirect	Pos HemDirect
C269WH	Pos HemaTrace	Pos HemaTrace
C493DY	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
CJRH7Y	Pos Hemdirect	Pos Hemdirect
CKY2N8	Pos HemaTrace	Pos HemaTrace
CL4KFN	Pos HemDirect	Pos HemDirect
CR2GM9	Pos	Pos
DDFXG6	Pos HemaTrace	Pos HemaTrace
DFHZZE	Pos qPCR	Pos qPCR
DMFNX7	Pos HemaTrace	Pos HemaTrace
DQ4PUY	Pos	Pos
DQZHRL	Pos qPCR	Pos qPCR
E7P6FP	Pos HemaTrace	Pos HemaTrace
E8Y78P	Pos HemDirect	Pos HemDirect
E93XRX	Pos RSID	NT
E9UQ8V	Pos HemaTrace	Pos HemaTrace
EG6YQH	Pos HemaTrace	Pos HemaTrace
EUVTY6	Pos PowerQuant	Pos PowerQuant
EWGJ3V	Pos PowerQuant	Pos PowerQuant
EZDDVP	Pos qRT-PCR	Pos qRT-PCR
F9DRUX	Pos Quantifiler Trio	Pos Quantifiler Trio
F9MYJK	NT	Pos HemDirect (RSID)
FFU6W4	Pos HemaTrace	Pos HemaTrace
FLVMQW	Pos Quant Trio	Pos Quant Trio
FP2AJT	Pos HemaTrace	Pos HemaTrace
G8RTK6	Pos HemaTrace	Pos HemaTrace
GEUPMQ	Pos HemDirect	Pos HemDirect
GTE8RZ	Pos HemaTrace	Pos HemaTrace
HCHE3R	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
HCLW8H	Pos HemDirect	Pos HemDirect
HKJNQX	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
HVWEHT	Pos HemaTrace	Pos HemaTrace
J4MP43	Pos ABA HemaTrace	Pos ABA HemaTrace
JEPJKR	Pos HemaTrace	Pos HemaTrace
JFK3LT	Pos	Pos
JP6WFV	Pos Quant Duo	Pos Quant Duo
JPAL7T	Pos RSID-Blood	NT
JRTLLU	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
JUW8JT	Pos HemaTrace	Pos HemaTrace
K7EGYQ	Pos HemaTrace	Pos HemaTrace
KHF2RW	Pos QUANT DUO	Pos QUANT DUO
KN8YT8	Pos qPCR	Pos qPCR
LB4GQQ	Pos	Pos
LBHXPQ	Pos RSID	NT
LHBLCB	Pos HemaTrace	Pos HemaTrace
LLG7GN	Pos Quant	Pos Quant
LPFLNQ	Pos HemaTrace	Pos HemaTrace
LPQRLM	Pos Ouchterlony, Quant Trio	Pos Ouchterlony, Quant Trio
LPUAQD	Pos HemDirect	Pos HemDirect
LRL8FX	Pos HemaTrace	Pos HemaTrace
LTTKLD	Pos HemDirect	NT
LWXVCM	Pos HemaTrace	Pos HemaTrace
M3E2WY	Pos HemaTrace	Pos HemaTrace
M4ZZMP	Pos Quant Trio	Pos Quant Trio
M8CE6H	Pos HemaTrace	Pos HemaTrace
MG6MRU	Pos HemaTrace	Pos HemaTrace
MLN22T	Pos PowerQuant	Pos PowerQuant
MPAU8U	Pos HemaTrace	Pos HemaTrace
MT6L3K	NT	Pos HemDirect
MTTE6N	Pos Y-Screening	Pos Y-Screening
MVZ2VU	Pos HemaTrace	Pos HemaTrace
N96K3N	Pos HemaTrace	Pos HemaTrace
NB7Q79	Pos HemaTrace	Pos HemaTrace
NE8T8V	Pos HemaTrace	Pos HemaTrace
NLDQBM	Pos HemaTrace and quant trio	Pos HemaTrace and quant Trio
NQKZ2A	Pos qPCR	Pos qPCR

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
NT7MUX	Pos PowerQuant	Pos PowerQuant
NVJJRU	Pos Hemdirect	Pos Hemdirect
PAQTJ3	Pos qPCR	Pos qPCR
PJ3GLM	Pos Quant Trio	Pos Quant Trio
PMUCP9	Pos [Laboratory Specific Test], HemaTrace	Pos [Laboratory Specific Test], HemaTrace
PVW238	Pos HemaTrace	Pos HemaTrace
PXK4VK	Pos PowerQuant	Pos PowerQuant
Q9CNK6	Pos Quantifiler Trio	Pos Quantifiler Trio
QDWUJK	Pos HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
QE4N7R	Pos HemaTrace	Pos HemaTrace
QEGE2P	Pos HemDirect	Pos HemDirect
QFDV9K	Pos HemaTrace	Pos HemaTrace
QGW6EK	Pos HemaTrace	Pos HemaTrace
QJPUBD	Pos RT-PCR	Pos RT-PCR
QJU862	Pos qPCR	Pos qPCR
QLJQRK	Pos HemaTrace	Pos HemaTrace
QME6JJ	Pos Quant	Pos Quant
QZXWYD	Pos HemaTrace	Pos HemaTrace
R2Q8CR	Pos HemaTrace	Pos HemaTrace
R8B47F	Pos HemaTrace	Pos Hematace
R8H6AV	Pos qPCR (TRIO)	Pos qPCR (TRIO)
RFLN67	Pos HemDirect	Pos HemDirect
RFRNF8	Pos qPCR	Pos qPCR
RH3J9Q	Pos HemaTrace	Pos HemaTrace
RKWFL	Pos Quant Trio	Pos Quant Trio
RMRT6N	Pos Quant Trio	Pos Quant Trio
RUPP3G	Pos HemDirect	Pos HemDirect
T8Z7HV	Pos HemaTrace	Pos HemaTrace
TDYBCF	Pos HemaTrace	Pos HemaTrace
THXJMG	Pos HemDirect	NT
TL2VKN	Pos HemDirect	Pos HemDirect
TTNF6G	Pos HemaTrace	Pos HemaTrace
TULMUN	Pos PowerQuant	Pos PowerQuant
U96ZTL	Pos Quantifiler Trio	Pos Quantifiler Trio
U9LMGP	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
U9PW2F	Pos RSID	NT
UCLXCP	Pos HemaTrace	Pos HemaTrace
UFQWUQ	Pos	Pos
UKWRDQ	Pos	Pos
UMGB4A	Pos HemaTrace	Pos HemaTrace
UQ26ZA	Pos HemaTrace	Pos HemaTrace
UYWXGG	Pos HemaTrace	Pos HemaTrace
V3QE8F	Pos HemaTrace	Pos HemaTrace
VARMGN	Pos HemaTrace	Pos HemaTrace
VCKYTL	Pos HemeDirect	Pos HemeDirect
VCLPRP	Pos	Pos
VE8MZF	Pos RSID	NT
VFTYDL	Pos Quant Duo	Pos Quant Duo
VJY2H	Pos PowerQuant, F6C	Pos PowerQuant, F6C
VQJAE2	Pos HemaTrace	Pos HemaTrace
VQZKUL	Pos HemaTrace	Pos HemaTrace
VXEGT2	Pos RSID HemaTrace	Pos RSID HemaTrace
W8ZYMZ	Pos HemaTrace	Pos HemaTrace
WD6UC2	Pos HemaTrace, QT Trio	Pos HemaTrace, QT Trio
WGUXLL	Pos HemaTrace	Pos HemaTrace
WNCUFF	Pos RSID	NT
WPJVZ9	Pos HemaTrace	NT
WQBXMN	Pos QuantiFiler Trio	Pos QuantiFiler Trio
WVTJ4F	Pos Quant Trio	Pos Quant Trio
XB9VGZ	Pos HemDirect	Pos HemDirect
XBWYAA	Pos HemaTrace	Pos HemaTrace
XEJHNE	Pos RSID	Pos RSID
XJ6NRE	Pos Quant Duo, PowerQuant	Pos Quant Duo, PowerQuant
XU7WPZ	Pos HemaTrace	Pos HemaTrace
XUQJFV	Pos qPCR	Pos qPCR
XX6BEB	Pos HemDirect	Pos HemDirect
XYLFZF	Pos PowerQuant	Pos PowerQuant
Y9N3GJ	Pos HemaTrace	Pos HemaTrace
YAFD2K	Pos PowerQuant	Pos PowerQuant
YAJTF7	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
YK2XHG	Pos Quantifiler Trio	Pos Quantifiler Trio
YNHPMB	NT	Pos HemDirect
Z3DAN8	Pos HemDirect	NT
ZBNRZD	Pos Powerquant	Pos Powerquant
ZCLTCW	Pos HemaTrace	Pos HemaTrace
ZDZ77K	Pos Quant Trio	Pos Quant Trio
ZFL48W	Pos HemaTrace	NT
ZRVTVZ	Pos HemDirect	Pos HemDirect
ZVXKCD	Pos PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
ZZ6BFJ	Pos Promega PowerQuant	Pos Promega PowerQuant
ZZD2VH	Pos HemaTrace	Pos HemaTrace

**Table 1d: Serology Screening Response Summary - Human Origin**Participants: **219**

This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.

	Item 3	Item 4
Positive	<b>214</b>	<b>202</b>
Negative	<b>0</b>	<b>0</b>
Inconclusive	<b>0</b>	<b>0</b>
Not Tested (NT)	<b>4</b>	<b>16</b>
Not Reported	<b>1</b>	<b>1</b>



# Serology Screening Results

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

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
24QBEZ	Pos Plexor HY Quantification kit	Pos Plexor HY Quantification kit
26Z2E9	Pos Quantifiler Trio	Pos Quantifiler Trio
27CF3H	Pos CWD	Pos CWD
28MW73	Pos Plexor HY Quantification Kit	Pos Plexor HY Quantification Kit
2GA4E7	Pos CaseworkDirect/PowerQuant	Pos CaseworkDirect/PowerQuant
2VUXAB	Pos Casework Direct	Pos Casework Direct
2X6M69	Pos PowerQuant	Pos PowerQuant
3RFQFA	Pos Quant Trio	Pos Quant Trio
3RQMRF	Pos CWD	Pos CWD
3UYAF2	Pos Plexor HY	Pos Plexor HY
3XBB7D	Pos Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
48FHLD	Pos Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
4G8XPA	Pos TRIO	Pos TRIO
4GZ3QV	Pos RT-qPCR	Pos RT-qPCR
4MTXWA	Pos Plexor HY	Pos Plexor HY
4QR9TA	Pos Plexor HY	Pos Plexor HY
4RNAMK	Pos Promega Casework Direct	Pos Promega Casework Direct
4WCKD4	Pos CaseWork Direct, PowerQuant	Pos CaseWork Direct, PowerQuant
4ZYC9L	Pos Casework Direct	Pos Casework Direct
672FM6	Pos Quant	Pos Quant
7DCNB6	Pos	Pos
7X78PC	Pos Y-screening Quant	Pos Y-screening Quant
8EZWUZ	Pos Quantifiler Trio	Pos Quantifiler Trio
8G9B8K	Pos RT qPCR	Pos RT qPCR
8LZCGM	Pos Quantifiler Trio	Pos Quantifiler Trio
96H74Z	Pos YFiler+, Quantifiler Trio	Pos YFiler+, Quantifiler Trio
97BFZH	Pos Plexor HY	Pos Plexor HY
99DL9W	Pos Plexor HY	Pos Plexor HY
9D6TQ6	Pos Plexor HY	Pos Plexor HY
9HK9GW	Pos Plexor HY Quantification Kit	Pos Plexor HY Quantification Kit
9KQNUU	Pos Plexor HY	Pos Plexor HY
9NLHC3	Pos Quant Trio	Pos Quant Trio
9RAXXW	Pos Real-time PCR male and female	Pos Real-time PCR male and female
9V8EAQ	Pos RT-qPCR	Pos RT-qPCR
9VEB96	Pos Quantifiler Trio	Pos Quantifiler Trio

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
9YEL46	Pos TRIO	Pos TRIO
AANPFT	Pos Plexor HY	Pos Plexor HY
AH34DA	Pos	Pos
ARL2Y2	Pos ForensicGem Sexcrime	Pos ForensicGem Sexcrime
B2NPKX	Pos Plexor HY	Pos Plexor HY
B73TH8	Pos Casework Direct	Pos Casework Direct
CR2GM9	Pos	Pos
DFHZZE	Pos qPCR	Pos qPCR
DQ4PUY	Pos	Pos
DQZHRL	Pos qPCR	Pos qPCR
E7P6FP	Pos Plexor HY	Pos Plexor HY
E93XRX	Pos NaOH	Pos NaOH
EWGJ3V	Pos Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
FCBF7Y	Pos PlexorHY	Pos PlexorHy
FLVMQW	Pos Quant Trio	Pos Quant Trio
FWGQDN	Pos Plexor HY	Pos Plexor HY
HCHE3R	Pos Quant Trio	Pos Quant Trio
HMNTKQ	Pos YFiler+, Quantifiler Trio	Pos YFiler+, Quantifiler Trio
HPUG3W	Pos Plexor HY	Pos Plexor HY
HVWEHT	Pos Quantifiler Trio	Pos Quantifiler Trio
JD9XJJ	Pos Y-Screening	Pos Y-Screening
JFK3LT	Pos	Pos
JKFR87	Pos Promega Casework Direct	Pos Promega Casework Direct
JPAL7T	Pos NaOH Y Screen	Pos NaOH Y Screen
JWKL7G	Pos Plexor HY	Pos Plexor HY
K6832B	Pos Quantifiler Trio	Pos Quantifiler Trio
KMX36G	Pos Plexor HY	Pos Plexor HY
KN8YT8	Pos qPCR	Pos qPCR
KNTK8J	Pos Plexor HY	Pos Plexor HY
L2EDD6	Pos Plexor HY	Pos Plexor HY
LB4GQQ	Pos	Pos
LBHXPQ	Pos NaOH Y screen	Pos NaOH Y screen
LLG7GN	Pos Quant	Pos Quant
LPQRLM	Pos Quant Trio	Pos Quant Trio
M4ZZMP	Pos Quant Trio	Pos Quant Trio
MDG7DF	Pos Plexor HY	Pos Plexor HY
MGGGAF	Pos Plexor HY	Pos Plexor HY

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
MLN22T	Pos Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
MTTE6N	Pos Y-Screening	Pos Y-Screening
MYLNNH	Pos Plexor HY	Pos Plexor HY
NDJBCP	Pos TRIO	Pos TRIO
NLDQBM	Pos quant trio	Pos quant trio
NQKZ2A	Pos qPCR	Pos qPCR
NRFC6P	Pos Plexor HY	Pos Plexor HY
PAQTJ3	Pos qPCR	Pos qPCR
PJ3GLM	Pos Quant Trio	Pos Quant Trio
PXK4VK	Pos PowerQuant	Pos PowerQuant
Q493WT	Pos NaOH screen	Pos NaOH screen
Q9CNK6	Pos Quantifiler Trio	Pos Quantifiler Trio
Q9F9CE	Pos PlexorHY	Pos PlexorHY
QDWUJK	Pos Quant Trio	Pos Quant Trio
QEGE2P	Pos Quantifiler Trio	Pos Quantifiler Trio
QGW6EK	Pos Quant Trio	Pos Quant Trio
QJU862	Pos qPCR	Pos qPCR
QME6JJ	Pos Quant	Pos Quant
QWD7EA	Pos Y-Screening	Pos Y-Screening
QZZL4A	Pos PlexorHY	Pos PlexorHY
R9A9VB	Pos Plexor HY	Pos Plexor HY
RCBA3Y	Pos Plexor HY	Pos Plexor HY
RFRNF8	Pos qPCR	Pos qPCR
RKWFL	Pos Quant Trio	Pos Quant Trio
RY9NTH	Pos Plexor HY	Pos Plexor HY
TDHUHM	Pos Plexor HY	Pos Plexor HY
THVUED	Pos Plexor HY	Pos Plexor HY
TQAK6C	Pos Plexor HY	Pos Plexor HY
TULMUN	Pos Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
U9PW2F	Pos NaOH Y screen	Pos NaOH Y screen
UFQWUQ	Pos	Pos
UKWRDQ	Pos	Pos
UMGB4A	Pos Plexor HY	Pos Plexor HY
UNX7BB	Pos Plexor HY Quantification kit	Pos Plexor HY Quantification kit
VCLPRP	Pos	Pos
VE8MZF	Pos Naoh screen	Pos Naoh screen
VQJAE2	Pos Plexor HY	Pos Plexor HY

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
W7RHWG	Pos Plexor HY	Pos Plexor HY
WD6UC2	Pos QT Trio	Pos QT Trio
WJXT44	Pos Plexor HY	Pos Plexor HY
WNCUFF	Pos NaOH	Pos NaOH
WQBXMN	Pos QuantiFiler Trio	Pos QuantiFiler Trio
WVTJ4F	Pos Quant Trio	Pos Quant Trio
WYVB9M	Pos NaOH/RT-PCR	Pos NaOH/RT-PCR
X37KE4	Pos Plexor HY	Pos Plexor HY
X9XHET	Pos Plexor HY	Pos Plexor HY
XUQJFV	Pos qPCR	Pos qPCR
YAJTF7	Pos Plexor HY	Pos Plexor HY
YQTF89	Pos Plexor HY quantitation	Pos Plexor HY quantitation
Z72BVK	Pos Promega Casework Direct Kit	Pos Promega Casework Direct Kit
Z967EN	Pos Promega Casework Direct Kit	Pos Promega Casework Direct Kit
ZBNRZD	Pos Casework Direct, Powerquant	Pos Casework Direct, Powerquant

Table 1e: Serology Screening Response Summary - Y Screening			Participants: 124
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	<b>124</b>	<b>124</b>	
Negative	<b>0</b>	<b>0</b>	
Inconclusive	<b>0</b>	<b>0</b>	
Not Tested (NT)	<b>0</b>	<b>0</b>	
Not Reported	<b>0</b>	<b>0</b>	

# Serology Screening Results

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

TABLE 1f

WebCode	Other Screening Results			
	Item 3		Item 4	
329U8C	Urine & Feces	Neg DMAC & Creatinine Test, Urobilinogen Test	Urine & Feces	Neg DMAC & Creatinine Test, Urobilinogen Test
3QLTFQ	Urine	Neg Uritrace		
92FGEC	Urine	Neg Uritrace	Urine	Neg Uritrace
9A6F27	Feces	Neg Urobilinogen	Feces	Neg Urobilinogen
CETN49	Urine	Neg Uritrace	Urine	Neg Uritrace
JABWR8			Urine	Neg Uritrace
KL6DG9	Urine	Neg Uritrace	Urine	Neg Uritrace
LMYHB9	Urine	Neg Uritrace	Urine	Neg Uritrace
X4WM2J		Neg ALS		Neg ALS

# 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

224KFF	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
22KUZG	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
22TTLP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
24CD8E	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
24QBEZ	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
24UD4P	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

26GMP6	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
26XR6H	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
26Z2E9	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
27RHE4	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
289HPK	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
28HL2J	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
28M2G6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

28MW73	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
29UDY7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
29YAMP	PowerPlex® Fusion 6C (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
2CMFTF	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
2D8KGQ	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
2LKXTB	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
2LPKZG	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

2MKYVM	GlobalFiler™, MiniFiler (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
2N8PNE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
2VWNHE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	NA
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	NA	NA	18,28.2	9,9.3	8,12
	17,18	NA	NA	NA	NA	
2X6M69	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
329U8C	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
32KNEL	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
33PW3Q	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

36NARC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
379MVG	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
383NHJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3ALLXA	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
3ALUPU	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
3B848B	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
3CA9E4	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

3FC7MB	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3HFXPW	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	Not Tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	Inconclusive	9,9.3	8,12
	17,18	No Results	No Results	No Results	No Results	
3HZKCK	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3JQQN6	PowerPlex® 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
3MF77D	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
3QLTFQ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
3RFQFA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

3TUHVQ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
3UQCWP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3UYRBW	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3VMWG4	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
3XBB7D	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
3XQMRP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
3YTPZM	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

42UQ7X	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
42VLTA	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
43QZHM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
48FHLD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
4AGQM3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
4BWA8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4CFA4G	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

4D4PAH	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4DYW9J	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4E36TP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4FLKL4	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
4G8XPA	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
4GZ3QV	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	ND				
4L4GR8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

4MR6Y2	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
4N7GVK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	ND			ND	
4PWM86	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
4RNAMK	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NID	NID	NID		
4TD9EH	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
4U6C2X	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
4WCKD4	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	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

4WDBRY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4YPWU8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
4ZYC9L	FlexPlex					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26		7,13	NID	9,9.3	8,12
	17,18					
63J2WQ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
672FM6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
67GUH9	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	N/A	9,9.3	8,12
	17,18	NR/NE	N/A	N/A	N/A	
6GP4ME	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

6K44GK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
6LGFHB	Investigator® 24plex (STRmix V2.4.06)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
6LXRZF	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
6PUB3E	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
6QAK89	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
6TQXKG	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
73BTUF	Investigator® 24plex GO!, FlexPlex27					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	7,13	17.1,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A		

TABLE 2

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

Item 1 - STR Results

76EMQZ	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
76JU4U	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
7DYWKA	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
7EVBB9	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
7FHQ7V	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
7KZ7V9	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	ND	ND	ND		
7L93Y7	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

7LRWUE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
7UEYUW	VeriFiler Plus					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NT	9,9.3	8,12
	17,18	NT	NT	NT	ND	
7W6692	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
7WRJRD	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
7XKA2X	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
7YFT4Z	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
7YJWUB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	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

827TXU	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
82LE6B	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	18,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
82MEJD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
83B4C6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
84TH7E	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
86MPED	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
894HGK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

89C6NR	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NM			NM	
8B3B3W	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8BP4A8	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
8DVDXD	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
8E3VUM	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
8ECWB3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8EZWUZ	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

8G9B8K	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
8GCN29	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
8GVX7N	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
8JWPWV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8KGVK7	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
8LZCGM	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results				
8RTFLC	Investigator® 24plex (STRMix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

8V924X	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
8V9RHT	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8W99UB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8YCQQZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
8YYLJ9	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	-				
92FGEC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
93QMW3	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

96H74Z	PowerPlex® PowerPlex® 21					
	12,15	19,21		15,17	11,12	12,14
1	11,11	10,15		20,21	11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
9A6F27	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
9A6K83	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
9D6TQ6	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
9FACPC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
9FY6LP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
9JYK8E	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

9NLHC3	GlobalFiler™						
	12,15	19,21	12,14	15,17	11,12		
1	11,11	10,15	13,13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16,16	X,X	12,12	
	22,26			18,28.2	9,9.3	8,12	
	17,18	No typing results			No typing results		
9NLJ9M	GlobalFiler™						
	12,15	19,21	12,14	15,17	11,12		
1	11,11	10,15	13,13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16,16	X,X	12,12	
	22,26			18,28.2	9,9.3	8,12	
	17,18						
9P4FY2	GlobalFiler™						
	12,15	19,21	12,14	15,17	11,12		
1	11,11	10,15	13,13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16,16	X,X	12,12	
	22,26			18,28.2	9,9.3	8,12	
	17,18						
9RAXXW	PowerPlex® Fusion 6C, GlobalFiler™						
	12,15	19,21	12,14	15,17	11,12		
1	11	10,15	13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16	X,X	12	
	22,26	10,11	7,13	17.1,18,28.2	9,9.3	8,12	
	17,18						
9RNFZ3	Investigator® 24plex (STRMIX)						
	12,15	19,21	12,14	15,17	11,12		
1	11	10,15	13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16	X	12	
	22,26			17.1,28.2	9,9.3	8,12	
	17,18						
9U4Z7C	GlobalFiler™						
	12,15	19,21	12,14	15,17	11,12		
1	11	10,15	13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16	X	12	
	22,26			18,28.2	9,9.3	8,12	
	17,18						
9UFXCG	PowerPlex® Fusion 5c						
	12,15	19,21	12,14	15,17	11,12		
1	11	10,15	13	20,21	11,12	12,13	
	17,20	13.2,14	29,31.2	16	X	12	
	22,26	10,11	7,13		9,9.3	8,12	
	17,18						

TABLE 2

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

## Item 1 - STR Results

9V8EAQ	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	ND				
9VALUC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NA			NA	
9VEB96	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
9WJ4PW	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
9XEPB2	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
9XXZG2	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
9YEL46	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

A2BRX2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
A34N4W	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
A3MBYX	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
A7YCNA	Investigator® 24plex GO					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	17.1,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
A8HNQU	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
A9QFBP	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	not tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	inconclusive	9,9.3	8,12
	17,18	no results	no results	no results	no results	
A9UZF7	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

AAL4JD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
AANPFT	Investigator® 24plex QS (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
ABCUNJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
ABFT39	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
ABWWQ9	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	NA
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NA	9,9.3	8,12
	17,18	NR/NE	NA	NA	NA	
AGQRT7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
AGXEKQ	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

AHEFWT	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	no results			no results	
AHF4BY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	--			--	
ALCRMY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ANKZUY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
AQ922D	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
AQ9G7R	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ARL2Y2	PowerPlex® Fusion (Bulletproof)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

ATV6VY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
AUD2B6	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
B2NPKX	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
B7JCF7	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
B8BLZ8	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
B8HH28	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
B94DBT	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No result			No result	

TABLE 2

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

Item 1 - STR Results

BBULAV	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
BDNUU4	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
BEAX9X	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	--			--	
BGD6N	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
BGLNL9	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
BMLA6V	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
BNXZGK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

BQ69RQ	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
BR8ECC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
BTFJZ9	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	18,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
BU8864	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
BUJ629	PowerPlex® Fusion, MiniFiler					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
BWEAB9	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
BY8NVX	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

BYWUHW	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
BZR9AV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
C269WH	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
C3KDK8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
C493DY	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
C4DWDD	PowerPlex® Fusion 6C (STRMix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
C6LVP8	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

CC3PMP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
CCK3AV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CDFYXB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CDQR4R	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
CETN49	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CF4TEC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CHBHT2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

CJRH7Y	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CK3EFA	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
CK8C6J	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
CL4KFN	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
CM7K49	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
CMEM6T	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
CPQR4W	GlobalFiler™ GlobalFiler Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	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

CVWVVB	VeriFiler Plus					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18				ND	
D3GJQL	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
D7F66V	PowerPlex® 21					
	12,15	19,21		15,17	11,12	12,14
1	11,11	10,15		20,21	11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
D7GUJZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
D9MCKG	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
DC3EF9	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
DFHZZE	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

DFUJXQ	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
DHBMXY	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
DHK4KA	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
DJMQ3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
DL9PXC	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
DQVAER	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
DQZHRL	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

DTQRRE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
DX7JG2	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
DYU7MA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
E2FW78	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
E4LTVN	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
E7LG7X	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
E7THAD	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

E8Y78P	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
E93XRX	GlobalFiler™ Express (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
E9BUVW	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,Y	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
E9Q6LN	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NM			NM	
E9UQ8V	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
ECE46J	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EEK6W3	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

EFFAKP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EFHYPL	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EG6YQH	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
EGNPXG	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EKAHXQ	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
EKTDFR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
EL8NMX	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

EMML7F	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
EPXAYR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ERV29Y	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
EUV8PP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EUVTY6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
EUY6C2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
EWFMV7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

EWGJ3V	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
EZDDVP	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
F2EWM6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
F2VTBX	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
F69QK7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
F6D9H6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
F6GLGY	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

F7KUB7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
F9DGT7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
F9MYJK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
FA38XE	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
FAA6JC	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FBFQU6	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
FDPAZY	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

FFU6W4	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
FGM8DR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FHEFDU	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
FKMCDQ	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
FLVMQW	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No result			No result	
FN4AEE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FNTRTA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

FP2AJT	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
FPZ6CW	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FQ7V2Y	Identifiler® Direct					
		19,21		15,17	11,12	
1	11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12
	22,26				9,9.3	8,12
	17,18					
FVKBNJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FWGQDN	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
FWXZ9A	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
FY2R8A	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

G27KRZ	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
G3DX3M	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
G6QLMM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	Not detected			Not detected	
G8RQY8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	ND			ND	
G8RTK6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
GDJEUX	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
GEFN7N	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

GEUPMQ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	---			---	
GHUYV7	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
GJ9KJZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
GJTGAZ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
GLVY9B	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
GRDJ2P	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
GTE8RZ	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

GUB6X8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
GXBGT8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
GYH9TV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
H8UMDC	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
H98QT2	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
H9PXYJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
HB9FYB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

## Item 1 - STR Results

HBNNWD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
HCHE3R	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
HCZGUZ	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
HGEJ6G	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
HKJNQX	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
HKWDWV	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
HLUW8P	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

HMNTKQ	PowerPlex® 21					
	12,15	19,21		15,17	11,12	12,14
1	11,11	10,15		20,21	11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
HWWEHT	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
HXMYAD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
HXNDWQ	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
J2LBMA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
J4MP43	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	-
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	-	-	18,28.2	9,9.3	8,12
	17,18	-	-	-	-	
J4PENR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

JABWR8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JBQ4C4	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JD9XJJ	PowerPlex® Fusion 6C (Sentry)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
JDFYR6	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
JDYD7L	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
JE3L3E	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results				
JEKU6F	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

JEQE4X	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JFLRUW	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	NA
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	NA	NA	18,28.2	9,9.3	8,12
	17,18	NA	NA	NA	NA	
JGU6EJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
JH4QQK	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
JJ27YB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JKFR87	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	INC	9,9.3	8,12
	17,18	NID	NID	NID	NID	
JLTFAJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

JLZFXR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
JP6WV	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	NA
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NA	9,9.3	8,12
	17,18	NR/NE	NA	NA	NA	
JPAL7T	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
JQHSDY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JRTLLU	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
JUCMH2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JUW8JT	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

JVWX3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JWKL7G	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
JXH2E8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
JXHHQP	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
K28R6B	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
K2VYJA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
K4NBKL	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

K6832B	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results				
K7R724	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR				
K8Z362	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
K9AYNK	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
K9FYZL	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
KABMEB	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
KCGNHZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

KEWTLH	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
KFRHU7	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
KGDBBN	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
KGTWYR	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
KKBPYD	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
KL3HK4	GlobalFiler™ Express (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
KL6DG9	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

Item 1 - STR Results

KLQJQU	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
KMQWUL	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
KMX36G	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
KN8YT8	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
KNAJKG	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
KPH4Z4	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
KQBUAP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

KUH2ZW	Investigator® 24plex (STRmix V2.4.06)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
KV2BD3	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
KWERQF	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	Not Tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	Inconclusive	9,9.3	8,12
	17,18	No Result	No Result	No Result	No Result	
KWFHZJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
KXWMNA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
L2CKP6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
L2EDD6	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

L2FDQ6	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
L6UBW7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
L944HJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LABXNP	PowerPlex® Fusion 6C (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
LATWYP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LBHXPQ	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
LD7CDZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

LEYTHP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LF2B37	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No results		No	No results	
LG4HLX	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LHXAFR	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	NA
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NA	9,9.3	8,12
	17,18	NR/NE	NA	NA	NA	
LHXZVM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LLG7GN	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LMYHB9	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

LNH89K	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
LP49F3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LPFLNQ	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
LPQRLM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
LR4ZAF	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
LR7B4H	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
LRL8FX	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

LTHFRM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LTKLD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
LTZFH7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
LVNU8F	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No results			No results	
LWXVCM	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
LZHW7A	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
M27PJ4	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

M3E2WY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M3MPV7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M4RH67	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M4ZZMP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M688YP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M7NQXN	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
M99UD9	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

M9RLE7	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MBW92J	GlobalFiler™ IQC					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MCUWJY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MFBWN2	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
MG2793	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
MG6MRU	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
MGGGAF	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

Item 1 - STR Results

MHUXHM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MK2H43	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
MK4JCZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MLN22T	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
MLU9EM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MM7GK8	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
MR7ZXM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

MRX7VE	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	Not Tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	Inconclusive	9,9.3	8,12
	17,18	No Results	No Results	No Results	No Results	
MRYW4H	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	NA				
MT6L3K	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
MU6HVN	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
MUELX2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
MVZ2VU	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
MW37NQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

MWUFAR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	18,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
N2ZUD3	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
N4VR6N	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
N96K3N	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
NAWUG	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
NBNJCC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
NBNUHE	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	N/A				

TABLE 2

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

## Item 1 - STR Results

NC2U4U	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	NA
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	NA	NA	18,28.2	9,9.3	8,12
	17,18	NA	NA	NA	NA	
NDJBCP	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
NE8T8V	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
NHMEPG	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
NLDQBM	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
NMY8VA	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results				
NNJ9B4	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

NQ7V4Q	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	ND	ND	ND		
NQKZ2A	PowerPlex® Fusion 5c					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
NRFC6P	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
NT7MUX	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
NTPFNF	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
NVJJRU	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
NVTFEE	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

NVX2HT	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
NZFPAZ	GlobalFiler™ Express (STRMix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
P2B966	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
P3NRXE	PowerPlex® Fusion (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
P4A7YY	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
P7NFF3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
P88QKA	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

PAQTJ3	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
PBQAX7	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
PF2UUX	GlobalFiler™ (STRmix™)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
PJ3GLM	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
PKZJKY	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
PMUCP9	PowerPlex® Fusion 6C, GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
PN9R6V	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

PP4L7Q	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
PP86BG	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
PQTYQ4	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
PTA6BE	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
PXK4VK	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
PZY99B	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
Q22PBK	Investigator® 24plex GO! (TrueAllele)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	N/A				



TABLE 2

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

## Item 1 - STR Results

Q2F8C6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
Q493WT	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	12,14	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
Q4KFZB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No results			No results	
Q8K7MV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
Q98HVU	PowerPlex® Fusion 6C, Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR		
Q9CNK6	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
Q9F9CE	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

QDLZ7J	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
QDWUJK	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
QEGE2P	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QFDV9K	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	NR				
QFNZ7G	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	-				
QGPQM	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
QGW6EK	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

QH2RRP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	18,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
QHYVUU	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
QJPUBD	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
QJQYG9	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	-				
QJU862	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
QL2PW6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
QLJQRK	Investigator® 24plex (STRMix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

QME6JJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QNTZCJ	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QPJ7QN	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
QQPGZR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QTZ7J4	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results				
QUCQH7	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
QV7QKB	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

QY9L9K	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QYBJWF	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
QZXWYD	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	N/A				
QZZL4A	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
R2EU43	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
R36J9B	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
R4FLUA	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Result			No Result	

TABLE 2

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

## Item 1 - STR Results

R687FZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	-
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	-	-	18,28.2	9,9.3	8,12
	17,18	-	-	-	-	-
R6E6Y3	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
R8B47F	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	--			--	
R8H6AV	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
R9A9VB	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
RBV9HK	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
RC8LMG	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

RC9LKV	Investigator® 24plex GO					
	12,15	19,21	12,14	15,17	11,12	n/a
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	n/a	n/a	17.1,28.2	9,9.3	8,12
	17,18	n/a	n/a	n/a	n/a	
RCBA3Y	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
RCBZX2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
RFLN67	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
RFRNF8	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
RH3J9Q	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
RHEEEQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

RHVFF8	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
RHVNCX	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
RJLUNH	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
RKWFL	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
RMQDUQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
RMRT6N	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
RNYWVZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	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

RPWPQ7	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NM			NM	
RPZAT2	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
RRR3TR	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
RT2TUL	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
RUPP3G	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
RZBTXQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
RZX2CZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	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

T4ZRHL	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
T67TTD	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
T73VK8	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
T8Z7HV	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
T9828N	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
TAWDNF	Investigator® 24plex QS (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
TDYBCF	Investigator® 24plex QS kit (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

TFQRNU	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
TFTL3U	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
THXJMG	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
TKH4EJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
TKQR9K	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
TL2VKN	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
TTNF6G	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	NT
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	NT	NT	18,28.2	9,9.3	8,12
	17,18	NR	NT	NT	NR	

TABLE 2

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

## Item 1 - STR Results

TU7RET	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
TULMUN	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
TUNCYK	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	NA
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NA	9,9.3	8,12
	17,18	NR/NE	NA	NA	NA	
TVW4UZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	-
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	-	-	18,28.2	9,9.3	8,12
	17,18	-	-	-	-	
TY3Q3J	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
TYFL6D	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
TZEPU8	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18	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

U3NCNK	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
U6K7WL	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	NA
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	NA	NA	18,28.2	9,9.3	8,12
	17,18	NA	NA	NA	NA	
U9LMGP	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
U9PW2F	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
UACW2Q	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
UC7NBC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
UCLXCP	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

UCRNKE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
UDC9WQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
UE69RG	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
UHXAHJ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
UKE4U6	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NM			NM	
UMGB4A	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
UNZDA3	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

UPEVGE	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
UQ26ZA	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
URG86W	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
URQXRY	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
UWAF8H	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
UYE7CC	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	INC				
UYWXGG	Investigator® 24plex (STRMix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

V2QKTP	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
V3QE8F	Investigator® 24plex (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
V3QHJD	Investigator® 26plex QS					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	-	9,9.3	8,12
	17,18	-				
VCKYTL	GlobalFiler™ (STRmix LR Prev only)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
VE8MZF	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
VFJANL	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
VJJY2H	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					



TABLE 2

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

Item 1 - STR Results

VP84ZH	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
VQJAE2	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
VQZKUL	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
VUUFL9	Verifiler Plus					
	12,15	19,21	12,14	15,17	11,12	12,14
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18				ND	
VX7KP3	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	not tested
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	no result	no result	no result	not tested	
VXEGT2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
W3NZ6E	PowerPlex® Fusion, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

W4ZMW2	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	No Results			No Results	
W8DMQ8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	-
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	-	-	18,28.2	9,9.3	8,12
	17,18	-	-	-	-	
W8ZYMZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
W92BLU	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
W9DHHQ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
WA6L67	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
WB23C2	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	NT				

TABLE 2

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

## Item 1 - STR Results

WCCRXY	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
WD6UC2	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
WE6MQM	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WENZ76	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
WGUXLL	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
WJJWQP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WL4RHN	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

WMACWX	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WNCUFF	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
WNLEVX	PowerPlex® Fusion					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18	No Results				
WNQFTN	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WNV8WK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WPJVZ9	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
WQBXMN	PowerPlex® PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

WVTJ4F	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
WW8WLX	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
WXU78D	PowerPlex® Fusion, GlobalFiler™ (GeneMapper ID-X 1.4)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	18,28.2	9,9.3	8,12
	17,18					
WYVB9M	GlobalFiler™ Express (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
WZ3CQU	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
WZPNLL	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
X29UPP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

X37KE4	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
X3894V	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
X4WM2J	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
X9T3Y8	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
X9XHET	Investigator® 24plex QS					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
XA8V8A	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
XB9VGZ	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	

TABLE 2

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

## Item 1 - STR Results

XBWYAA	GlobalFiler™						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26			18,28.2	9,9.3	8,12
	17,18	--			--		
XC779W	Investigator® 24plex						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26			17.1,28.2	9,9.3	8,12
	17,18	No Results					
XCTDYN	PowerPlex® Fusion 6C						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18	NR	NR	NR			
XD7AUY	PowerPlex® Fusion 6C						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18						
XEJHNE	Investigator® 24plex (STRmix)						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26			17.1,28.2	9,9.3	8,12
	17,18						
XEZPVG	GlobalFiler™ Express						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26			18,28.2	9,9.3	8,12
	17,18						
XF3T46	GlobalFiler™						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26			18,28.2	9,9.3	8,12
	17,18						

TABLE 2

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

## Item 1 - STR Results

XGN4KR	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
XHK4BW	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
XJ6NRE	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	NA
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	NA	9,9.3	8,12
	17,18	NR/NE	NA	NA	NA	
XM8HUQ	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
XMCBT6	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
XUQJFV	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
XX6BEB	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	



TABLE 2

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

Item 1 - STR Results

XYLFZF	PowerPlex® Fusion 6C						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18						
XZJUFK	GlobalFiler™ Express						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26			18,28.2	9,9.3	8,12
	17,18						
XZY8TW	GlobalFiler™						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26			18,28.2	9,9.3	8,12
	17,18						
Y34YJN	GlobalFiler™						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26			18,28.2	9,9.3	8,12
	17,18						
Y93QJ6	PowerPlex® Fusion						
		12,15	19,21	12,14	15,17	11,12	
	1	11	10,15	13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16	X	12
		22,26	10,11	7,13		9,9.3	8,12
	17,18	INC					
Y9N3GJ	Investigator® 24plex						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26			17.1,28.2	9,9.3	8,12
	17,18						
YAFD2K	PowerPlex® Fusion 6C						
		12,15	19,21	12,14	15,17	11,12	
	1	11,11	10,15	13,13	20,21	11,12	12,13
		17,20	13.2,14	29,31.2	16,16	X,X	12,12
		22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18						

TABLE 2

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

Item 1 - STR Results

YAJTF7	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
YCUUZX	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
YGXGCT	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
YHEL2J	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
YKLV23	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	no result			no result	
YNHPMB	GlobalFiler™ Express					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
YPE9NC	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

YTQ3F3	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	no results			no results	
YTWL7	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
YVWJKZ	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	Not Tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	Inconclusive	9,9.3	8,12
	17,18	No Results	No Results	No Results	No Results	
Z3CKF4	PowerPlex® Fusion 5C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13		9,9.3	8,12
	17,18					
Z3DAN8	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18	-			-	
Z489NQ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
Z63RPR	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

## Item 1 - STR Results

Z76PTF	PowerPlex® Fusion 6C Direct					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
Z8D2BG	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
ZBNRZD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
ZC7HNP	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ZCLTCW	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ZDZ77K	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X,X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
ZFL48W	GlobalFiler™ (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

ZGV8P2	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	Not Tested
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	Inconclusive	9,9.3	8,12
	17,18	No Results	No Results	No Results	No Results	
ZL4TBD	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	
ZLRG4E	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	N/A
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	N/A	N/A	18,28.2	9,9.3	8,12
	17,18	N/A	N/A	N/A	N/A	
ZNK8DZ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
ZQN3UG	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			18,28.2	9,9.3	8,12
	17,18					
ZTLYA6	Identifiler® Plus					
		19,21		15,17	11,12	
1	11,11	10,15			11,12	12,13
	17,20	13.2,14	29,31.2		X,X	12,12
	22,26				9,9.3	8,12
	17,18					
ZVXKCD	PowerPlex® Fusion 6C (STRmix)					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					

TABLE 2

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

Item 1 - STR Results

ZXBGBA	PowerPlex® ESX 16 Fast					
	12,15	19,21	12,14	15,17		
1		10,15	13,13	20,21		12,13
	17,20	13.2,14	29,31.2	16,16	X,X	
	22,26				9,9.3	
	17,18					
ZZ6BFJ	PowerPlex® Fusion 6C					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26	10,11	7,13	17.1,28.2	9,9.3	8,12
	17,18					
ZZD2VH	Investigator® 24plex					
	12,15	19,21	12,14	15,17	11,12	
1	11,11	10,15	13,13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16,16	X,X	12,12
	22,26			17.1,28.2	9,9.3	8,12
	17,18					
ZZDYAK	GlobalFiler™					
	12,15	19,21	12,14	15,17	11,12	
1	11	10,15	13	20,21	11,12	12,13
	17,20	13.2,14	29,31.2	16	X	12
	22,26			18,28.2	9,9.3	8,12
	17,18	NR			NR	

TABLE 2

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

## Item 2 - STR Results

224KFF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
22KUZG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
22TTLP	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
24CD8E	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
24QBEZ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
24UD4P	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
26GMP6	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

26XR6H	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
26Z2E9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
27RHE4	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
289HPK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
28HL2J	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
28M2G6	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
28MW73	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				



TABLE 2

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

Item 2 - STR Results

29UDY7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
29YAMP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
2CMFTF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
2D8KGQ	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
2LKXTB	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
2LPKZG	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
2MKYVM	GlobalFiler™ Express (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

2N8PNE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
2VWNHE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	
2X6M69	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
329U8C	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
32KNEL	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
33PW3Q	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
36NARC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

379MVG	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
383NHJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3ALLXA	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
3ALUPU	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
3B848B	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
3CA9E4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
3FC7MB	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

3HFXPW	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
3HZKCK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3JQQN6	PowerPlex® 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3MF77D	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
3QLTFQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
3RFQFA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
3TUHVQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

3UQCWP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
3UYRBW	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
3VMWG4	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
3XBB7D	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
3XQMRP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
3YTPZM	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
42UQ7X	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

42VLTA	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
43QZHM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
48FHLD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4AGQM3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4BWVA8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4CFA4G	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4D4PAH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

4DYW9J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
4E36TP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
4FLKL4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
4G8XPA	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
4GZ3QV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
4L4GR8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
4MR6Y2	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

4N7GVK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4PWM86	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4RNAMK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4TD9EH	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4U6C2X	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4WCKD4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4WDBRY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	



TABLE 2

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

Item 2 - STR Results

4YPWU8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4ZYC9L	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
63J2WQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
672FM6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
67GUH9	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	N/A
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	N/A	8	8,11
	15,19	10	N/A	N/A	N/A	
6GP4ME	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
6K44GK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

6LGFHB	Investigator® 24plex (STRmix V2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
6LXRZF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
6PUB3E	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
6QAK89	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
6TQXKG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
73BTUF	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A		
76EMQZ	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

76JU4U	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
7DYWKA	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
7EVBB9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7FHQ7V	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
7KZ7V9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7L93Y7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7LRWUE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

7UEYUW	Verifiler Plus					
	15.3,17.3	17,19	14	16	12	11
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NT	8	8,11
	15,19	NT	NT	NT	2	
7W6692	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
7WRJRD	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
7XKA2X	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
7YFT4Z	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
7YJWUB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
827TXU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

82LE6B	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
82MEJD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
83B4C6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
84TH7E	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
86MPED	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
894HGK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
89C6NR	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

8B3B3W	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
8BP4A8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
8DVDXD	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
8E3VUM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8ECWB3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
8EZWUZ	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10			2	
8G9B8K	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

8GCN29	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
8GVX7N	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8JWPWV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
8KGVK7	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8LZCGM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
8RTFLC	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,21	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
8V924X	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

8V9RHT	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
8W99UB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
8YCQQZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
8YYLJ9	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
92FGEC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
93QMW3	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
96H74Z	PowerPlex® PowerPlex® 21					
	15.3,17.3	17,19		16,16	12,12	11,11
2	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					



TABLE 2

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

## Item 2 - STR Results

9A6F27	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
9A6K83	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9D6TQ6	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
9FACPC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9FY6LP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
9JYK8E	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
9NLHC3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

9NLJ9M	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9P4FY2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9RAXXW	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17	2	
9RNFZ3	Investigator® 24plex (STRMIX)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
9U4Z7C	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
9UFXCG	PowerPlex® Fusion 5c					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
9V8EAQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

9VALUC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9VEB96	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
9WJ4PW	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
9XEPB2	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
9XXZG2	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9YEL46	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
A2BRX2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

A34N4W	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
A3MBYX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
A7YCNA	Identifiler®, Investigator® 24plex GO					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	N/A	
A8HNQU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
A9QFBP	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	not tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
A9UZF7	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
AAL4JD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

AANPFT	Investigator® 24plex QS (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
ABCUNJ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ABFT39	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ABWWQ9	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
AGQRT7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
AGXEKQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
AHEFWT	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

AHF4BY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ALCRMY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ANKZUY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
AQ922D	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
AQ9G7R	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ARL2Y2	PowerPlex® Fusion (Bulletproof)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
ATV6VY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

AUD2B6	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
B2NPKX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
B7JCF7	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
B8BLZ8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
B8HH28	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
B94DBT	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BBULAV	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

BDNUU4	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
BEAX9X	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BGDX6N	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BGLNL9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
BMLA6V	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
BNXZGK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BQ69RQ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				



TABLE 2

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

## Item 2 - STR Results

BR8ECC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
BTFJZ9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
BU8864	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
BUJ629	PowerPlex® Fusion, MiniFiler					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
BWEAB9	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
BY8NVX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
BYWUHW	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					

TABLE 2

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

Item 2 - STR Results

BZR9AV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
C269WH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
C3KDK8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
C493DY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
C4DWDD	PowerPlex® Fusion 6C (STRMix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
C6LVP8	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CC3PMP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

CCK3AV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CDFYXB	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CDQR4R	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
CETN49	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CF4TEC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CHBHT2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CJRH7Y	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

CK3EFA	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
CK8C6J	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
CL4KFN	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CM7K49	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CMEM6T	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
CPQR4W	GlobalFiler™ GlobalFiler Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CVVWVB	VeriFiler Plus					
	15.3,17.3	17,19	14	16	12	11
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19				2	

TABLE 2

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

## Item 2 - STR Results

D3GJQL	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
D7F66V	PowerPlex® 21					
	15.3,17.3	17,19		16,16	12,12	11,11
2	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					
D7GUJZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
D9MCKG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
DC3EF9	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
DFHZZE	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
DFUJXQ	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

DHBMXX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
DHK4KA	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
DJMQ3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
DL9PXC	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
DQVAER	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
DQZHRL	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
DTQRRE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

DX7JG2		PowerPlex® Fusion 6C					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24	9,12	12	26.2,27.2	8	8,11
		15,19	10	21	17		
DYU7MA		GlobalFiler™					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10			2	
E2FW78		GlobalFiler™					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10			2	
E4LTVN		PowerPlex® Fusion 6C					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24	9,12	12	26.2,27.2	8	8,11
		15,19	10	21	17		
E7LG7X		GlobalFiler™					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30.2,31	15,16	X,Y	12,12
		20,24			26.2,27.2	8,8	8,11
		15,19	10			2	
E7THAD		GlobalFiler™ (STRmix)					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10			2	
E8Y78P		GlobalFiler™					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30.2,31	15,16	X,Y	12,12
		20,24			26.2,27.2	8,8	8,11
		15,19	10			2	

TABLE 2

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

Item 2 - STR Results

E93XRX	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E9BUV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
E9Q6LN	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E9UQ8V	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
ECE46J	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
EEK6W3	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
EFFAKP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

EFHYPL	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
EG6YQH	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
EGNPXG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
EKAHXQ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
EKTDFR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
EL8NMX	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
EMML7F	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

EPXAYR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ERV29Y	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
EUV8PP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
EUVTY6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
EUY6C2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
EWFMV7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
EWGJ3V	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

EZDDVP	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
F2EWM6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F2VTBX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
F69QK7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F6D9H6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F6GLGY	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
F7KUB7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

F9DGT7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F9MYJK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FA38XE	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FAA6JC	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FBFQU6	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
FDPAZY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
FFU6W4	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

## Item 2 - STR Results

FGM8DR	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FHEFDU	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
FKMCDQ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FLVMQW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FN4AEE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FNTRTA	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FP2AJT	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

## Item 2 - STR Results

FPZ6CW	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FQ7V2Y	Identifiler® Direct					
		17,19		16	12	
2	8,9	10,12			8,13	12
	17,18	14,15	30.2,31		X,Y	12
	20,24				8	8,11
	15,19					
FVKBNJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FWGQDN	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
FWXZ9A	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FY2R8A	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
G27KRZ	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				

TABLE 2

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

## Item 2 - STR Results

G3DX3M	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
G6QLMM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
G8RQY8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
G8RTK6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GDJEUX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
GEFN7N	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GEUPMQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

GHUYV7	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
GJ9KJZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10		2		
GJTGAZ	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
GLVY9B	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10		2		
GRDJ2P	Identifiler® Plus					
		17,19		16,16	12,12	
	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
GTE8RZ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
GUB6X8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10		2		



TABLE 2

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

Item 2 - STR Results

GXBGT8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GYH9TV	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
H8UMDC	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
H98QT2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
H9PXYJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
HB9FYB	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HBNNWD	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

HCHE3R	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
HCZGUZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
HGEJ6G	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
HKJNQX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
HKWDWV	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HLUW8P	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HMNTKQ	PowerPlex® 21					
	15.3,17.3	17,19		16,16	12,12	11,11
2	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					

TABLE 2

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

Item 2 - STR Results

HWWEHT		PowerPlex® Fusion 6C					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30,2,31	15,16	X,Y	12
		20,24	9,12	12	26,2,27.2	8	8,11
		15,19	10	21	17		
HXMYAD		GlobalFiler™					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30,2,31	15,16	X,Y	12,12
		20,24			26,2,27.2	8,8	8,11
		15,19	10			2	
HXNDWQ		GlobalFiler™					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30,2,31	15,16	X,Y	12
		20,24			26,2,27.2	8	8,11
		15,19	10			2	
J2LBMA		GlobalFiler™					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30,2,31	15,16	X,Y	12,12
		20,24			26,2,27.2	8,8	8,11
		15,19	10			2	
J4MP43		GlobalFiler™ Express					
		15.3,17.3	17,19	14,14	16,16	12,12	-
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30,2,31	15,16	X,Y	12,12
		20,24	-	-	26,2,27.2	8,8	8,11
		15,19	10	-	-	2	
J4PENR		GlobalFiler™					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30,2,31	15,16	X,Y	12
		20,24			26,2,27.2	8	8,11
		15,19	10			2	
JABWR8		GlobalFiler™					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30,2,31	15,16	X,Y	12,12
		20,24			26,2,27.2	8,8	8,11
		15,19	10			2	

TABLE 2

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

Item 2 - STR Results

JBQ4C4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JD9XJJ	PowerPlex® Fusion 6C (Sentry)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JDFYR6	GlobalFiler™ Express (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JDYD7L	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JE3L3E	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JEKU6F	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JEQE4X	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

JFLRUW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	
JGU6EJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JH4QQK	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JJ27YB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JKFR87	PowerPlex® Fusion 6C, FlexPlex					
	15.3,17.3	17,19	14	16	12	11
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JLTFAJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JLZFXR	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

JP6WFV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
JPAL7T	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JQHZDY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JRTLLU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
JUCMH2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JUW8JT	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
JVVX3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

JWKL7G	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JXH2E8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JXHHQP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K28R6B	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
K2VYJA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
K4NBKL	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K6832B	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

K7R724	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
K8Z362	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K9AYNK	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
K9FYZL	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
KABMEB	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
KCGNHZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
KEWTLH	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

KFRHU7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
KGDBBN	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KGTWYR	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KKBPYD	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
KL3HK4	GlobalFiler™ Express (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KL6DG9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
KLQJQU	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				

TABLE 2

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

## Item 2 - STR Results

KMQWUL	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
KMX36G	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
KN8YT8	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
KNAJKG	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
KPH4Z4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
KQBUAP	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
KUH2ZW	Investigator® 24plex (STRmix V2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

KV2BD3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
KWERQF	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	{26,2,27,2}	8,8	8,11
	15,19	10	21	17	2	
KWFHZJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
KXWMNA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
L2CKP6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
L2EDD6	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
L2FDQ6	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

L6UBW7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
L944HJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LA8XNP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
LATWYP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LBHXPQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LD7CDZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LEYTHP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

LF2B37	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LG4HLX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LHXAFR	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
LHXZVM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LLG7GN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LMYHB9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LNH89K	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

LP49F3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LPFLNQ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
LPQRLM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LR4ZAF	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LR7B4H	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
LRL8FX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LTHFRM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

LTKLD	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LTZFH7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LVNU8F	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LWXVCM	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LZHW7A	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
M27PJ4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
M3E2WY	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

M3MPV7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M4RH67	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
M4ZZMP	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
M688YP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M7NQXN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M99UD9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
M9RLE7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	



TABLE 2

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

Item 2 - STR Results

MBW92J	GlobalFiler™ IQC					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
MCUWJY	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MFBWN2	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
MG2793	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
MG6MRU	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
MGGGAF	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
MHUXHM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

MK2H43	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
MK4JCZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MLN22T	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MLU9EM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
MM7GK8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
MR7ZXM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MRX7VE	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	

TABLE 2

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

MRYW4H	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15*	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
MT6L3K	PowerPlex® Fusion					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
MU6HVN	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10			2	
MUELX2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MVZ2VU	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
MW37NQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
MWUFAR	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	

TABLE 2

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

N2ZUD3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
N4VR6N	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
N96K3N	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
NAWUG	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
NBNJCC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
NBNUHE	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15*	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
NC2U4U	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	

TABLE 2

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

NDJBCP	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
NE8T8V	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
NHMEPG	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
NLDQBM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
NMY8VA	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
NNJ9B4	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
NQ7V4Q	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

NQKZ2A	PowerPlex® Fusion 5c					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
NRFC6P	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
NT7MUX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
NTPFNF	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
NVJJRU	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
NVTFEE	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
NVX2HT	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

NZFPAZ	GlobalFiler™ Express (STRMix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
P2B966	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
P3NRXE	PowerPlex® Fusion (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
P4A7YY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
P7NFF3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
P88QKA	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
PAQTJ3	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

## Item 2 - STR Results

PBQAX7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PF2UUX	GlobalFiler™ Express (STRmix™)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
PJ3GLM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PKZJKY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PMUCP9	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
PN9R6V	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PP4L7Q	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	



TABLE 2

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

Item 2 - STR Results

PP86BG	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PQTYQ4	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
PTA6BE	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PXK4VK	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PZY99B	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Q22PBK	Investigator® 24plex GO! (TrueAllele)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
Q2F8C6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

Q493WT	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Q4KFZB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Q8K7MV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Q98HVU	PowerPlex® Fusion 6C, Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Q9CNK6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Q9F9CE	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QDLZ7J	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

QDWUJK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
QEGE2P	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
QFDV9K	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
QFNZ7G	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
QGPKMQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	NA	X,Y	12
	20,24	9,12	[12]		8	8,11
	15,19	10				
QGW6EK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
QH2RRP	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26,2,27,2	8,8	8,11
	15,19	10	N/A	N/A	2	

TABLE 2

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

QHYVUU	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QJPUBD	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
QJQYG9	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
QJU862	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
QL2PW6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QLJQRK	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QME6JJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

QNTZCJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QPJ7QN	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QQPGZR	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
QTZ7J4	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QUCQH7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QV7QKB	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QY9L9K	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

QYBJWF	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QZXWYD	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QZZL4A	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
R2EU43	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
R36J9B	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
R4FLUA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
R687FZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	-
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	-	-	26.2,27.2	8,8	8,11
	15,19	10	-	-	2	

TABLE 2

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

Item 2 - STR Results

R6E6Y3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
R8B47F	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
R8H6AV	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
R9A9VB	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
RBV9HK	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10			2	
RC8LMG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
RC9LKV	Identifiler®, Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	n/a
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	n/a	n/a	26,2,27,2	8,8	8,11
	15,19	10	n/a	n/a	n/a	

TABLE 2

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

Item 2 - STR Results

RCBA3Y	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
RCBZX2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
RFLN67	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
RFRNF8	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
RH3J9Q	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
RHEEEQ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
RHVFF8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

RHVNCX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
RJLUNH	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
RKWFL	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
RMQDUQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
RMRT6N	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
RNYWVZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
RPWPQ7	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

RPZAT2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
RRR3TR	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
RT2TUL	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
RUPP3G	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
RZBTXQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
RZX2CZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
T4ZRHL	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

T67TTD	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
T73VK8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
T8Z7HV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
T9828N	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
TAWDNF	Investigator® 24plex QS (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
TDYBCF	Investigator® 24plex QS kit (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
TFQRNU	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

TFTL3U	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
THXJMG	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
TKH4EJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
TKQR9K	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
TL2VKN	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
TTNF6G	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NT
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NT	NT	26.2,27.2	8,8	8,11
	15,19	10	NT	NT	2	
TU7RET	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

TULMUN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TUNCYK	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
TVW4UZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	-
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	-	-	26.2,27.2	8,8	8,11
	15,19	10	-	-	2	
TY3Q3J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TYFL6D	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TZEPU8	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
U3NCNK	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

U6K7WL	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	
U9LMGP	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
U9PW2F	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
UACW2Q	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
UC7NBC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
UCLXCP	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
UCRNKE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

UDC9WQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
UE69RG	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
UHXAHJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
UKE4U6	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
UMGB4A	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
UNZDA3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
UPEVGE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

UQ26ZA	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30,2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
URG86W	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
URQXRY	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30,2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
UWAF8H	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
UYE7CC	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
UYWXGG	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
V2QKTP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

V3QE8F	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
V3QHJD	Investigator® 26plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	11,11
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	-	8,8	8,11
	15,19	10				
VCKYTL	GlobalFiler™ (STRmix LR Prev only)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
VE8MZF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
VFJANL	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
VJJY2H	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
VP84ZH	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

VQJAE2	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
VQZKUL	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
VUUFL9	Verifiler Plus					
	15.3,17.3	17,19	14	16	12	11
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19				2	
VX7KP3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	not tested
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17	not tested	
VXEGT2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
W3NZ6E	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10			2	
W4ZMW2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

W8DMQ8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	-
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	-	-	26,2,27,2	8,8	8,11
	15,19	10	-	-	2	
W8ZYMZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
W92BLU	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17	2	
W9DHHQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
WA6L67	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
WB23C2	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
WCCRXY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

WD6UC2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
WE6MQM	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
WENZ76	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WGUXLL	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
WJJWQP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WL4RHN	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WMACWX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

WNCUFF	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WNLEVX	PowerPlex® Fusion					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
WNQFTN	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
WNV8WK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WPJVZ9	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
WQBXMN	PowerPlex® PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WVTJ4F	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

WW8WLX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
WXU78D	PowerPlex® Fusion, GlobalFiler™ (GeneMapper ID-X 1.4)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10			2	
WYVB9M	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
WZ3CQU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
WZPNLL	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10				
X29UPP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
X37KE4	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

X3894V	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
X4WM2J	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
X9T3Y8	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
X9XHET	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
XA8V8A	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
XB9VGZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
XBWYAA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 2 - STR Results

XC779W		GlobalFiler™ Express					
		15.3,17.3	17,19	14,14	16,16	12,12	
2		8,9	10,12	14,15	18,21	8,13	12,12
		17,18	14,15	30.2,31	15,16	X,Y	12,12
		20,24			26.2,27.2	8,8	8,11
		15,19	10			2	
XCTDYN		PowerPlex® Fusion 6C					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24	9,12	12	26.2,27.2	8	8,11
		15,19	10	21	17		
XD7AUY		PowerPlex® Fusion 6C					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24	9,12	12	26.2,27.2	8	8,11
		15,19	10	21	17		
XEJHNE		Investigator® 24plex (STRmix)					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10				
XEZPVG		GlobalFiler™ Express					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10				
XF3T46		GlobalFiler™					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10			2	
XGN4KR		GlobalFiler™ (STRmix)					
		15.3,17.3	17,19	14	16	12	
2		8,9	10,12	14,15	18,21	8,13	12
		17,18	14,15	30.2,31	15,16	X,Y	12
		20,24			26.2,27.2	8	8,11
		15,19	10			2	



TABLE 2

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

## Item 2 - STR Results

XHK4BW	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
XJ6NRE	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
XM8HUQ	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
XMCBT6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
XUQJFV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
XX6BEB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
XYLFZF	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	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

XZJUFK	GlobalFiler™ Express					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
XZY8TW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Y34YJN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Y93QJ6	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
Y9N3GJ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
YAFD2K	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
YAJTF7	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 2 - STR Results

YCUUZX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
YGXGCT	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YHEL2J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YKLV23	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YNHPMB	GlobalFiler™ Express					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YPE9NC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YTQ3F3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 2 - STR Results

YTWL7	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YVWJKZ	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
Z3CKF4	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
Z3DAN8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Z489NQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Z63RPR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Z76PTF	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

Z8D2BG	PowerPlex® Fusion 6C Direct					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ZBNRZD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZC7HNP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZCLTCW	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZDZ77K	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZFL48W	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ZGV8P2	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	

TABLE 2

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

ZL4TBD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZLRG4E	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
ZNK8DZ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ZQN3UG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ZTLYA6	Identifiler® Plus					
		17,19		16,16	12,12	
2	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
ZVXKCD	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
ZXBGBA	PowerPlex® ESX 16 Fast					
	15.3,17.3	17,19	14,14	16,16		
2		10,12	14,15	18,21		12,12
	17,18	14,15	30.2,31	15,16	X,Y	
	20,24				8,8	
	15,19					

TABLE 2

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

Item 2 - STR Results

ZZ6BFJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
ZZD2VH	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
2	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
ZZDYAK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
2	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 3 - STR Results

224KFF	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
22KUZG	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
22TTLP	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
24CD8E	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
24QBEZ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
24UD4P	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
26GMP6	PowerPlex® Fusion (STRmix 2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				



TABLE 2

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

26XR6H	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
26Z2E9	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
27RHE4	Identifiler® Plus					
		17,19,21		16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
289HPK	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
28HL2J	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
28M2G6	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
28MW73	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

29UDY7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
29YAMP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
2CMFTF	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
2D8KGQ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
2LKXTB	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
2LPKZG	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
2MKYVM	GlobalFiler™, MiniFiler (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

2N8PNE	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
2VWNHE	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	NA
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	NA	NA	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	NA	NA	2	
2X6M69	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
329U8C	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
32KNEL	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
33PW3Q	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
36NARC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

379MVG	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
383NHJ	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3ALLXA	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
3ALUPU	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
3B848B	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
3CA9E4	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	[11],12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
3FC7MB	PowerPlex® Fusion 6C (STRmix 2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

3HFXPW	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	Not Tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
3HZKCK	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3JQQN6	PowerPlex® 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3MF77D	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
3QLTFQ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
3RFQFA	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
3TUHVQ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

3UQCWP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3UYRBW	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3VMWG4	PowerPlex® Fusion (STRmix 2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
3XBB7D	GlobalFiler™					
	[12],[15],15.3,17.3	17,19,[21]	[12],[13],14	(15),16,[17]	(11),12	
3	8,9,[11]	10,12,[15]	[13],14,15	(17),18,[20],21	8,[11],[12],13	(11),12,[13]
	(16),17,18,[20]	(13),[13.2],14,15	[29],30.2,31,[31.2]	(14),15,16,(17)	X,Y	(11),12
	20,[22],24,[26]			[18],26.2,27.2,[28.2]	8,[9],[9.3]	8,11,[12]
	15,[17],[18],19	(9),10			2	
3XQMRP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
3YTPZM	PowerPlex® Fusion 5C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
42UQ7X	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

42VLTA	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
43QZHM	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
48FHLD	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4AGQM3	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4BWVA8	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4CFA4G	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
4D4PAH	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

4DYW9J	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,[13]
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,[9],[9.3]	8,11,[12]
	15,17,18,19	10			2	
4E36TP	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4FLKL4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	[12],14	[15],16,[17]	[11],12	
3	8,9,[11]	10,12,[15]	[13],14,15	18,21	8,[11],[12],13	12
	17,18	14,15	[29],30.2,31	15,16	X,Y	12
	20,24	9,[10],[11],12	[7],12,[13]	[17.1],26.2,27.2,[28.2]	8,[9.3]	8,11,[12]
	15,[17],[18],19	10	21	17		
4G8XPA	Investigator® 24plex QS (Strmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
4GZ3QV	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
4L4GR8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4MR6Y2	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				



TABLE 2

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

Item 3 - STR Results

4N7GVK	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4PWM86	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
4RNAMEK	PowerPlex® Fusion 6C (STRmix 2.6)					
	12,15,15.3,[17.3]	17,19,21	[12],14	15,16,[17]	[11],12	
3	[8],[9],11	10,[12],15	13,[14],[15]	18,20,21	8,11,12,13	12,[13]
	17,[18],20	13.2,14,15	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,[19]	10	21	17		
4TD9EH	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4U6C2X	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],[15]	13,[14],[15]	18,20,21	8,11,12,13	12,[13]
	17,18,20	[13.2],14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4WCKD4	GlobalFiler™					
	[12],[15],15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,14,15	18,[20],21	8,[11],[12],13	12,[13]
	17,18,[20]	[13.2],14,15	[29],30.2,31,[31.2]	15,16	X,Y	12
	20,[22],24,[26]			[18],26.2,27.2,[28.2]	8,[9],[9.3]	8,11,[12]
	15,[17],[18],19	10			2	
4WDBRY	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

4YPWU8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
4ZYC9L	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,14,15	18,[20],21	8,11,12,13	12,[13]
	17,18,[20]	[13.2],14,15	29,30.2,31,[31.2]	[15],16	X,Y	12
	20,[22],24,[26]	9,10,[11],12	[7],12,[13]	[17.1],26.2,27.2,[28.2]	8,[9],[9.3]	8,11,[12]
	15,[17],18,19	10	21	17		
63J2WQ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
672FM6	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
67GUH9	PowerPlex® Fusion 5C, MiniFiler					
	INC	INC	INC	INC	INC	N/A
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	N/A	INC	INC
	INC	INC	N/A	N/A	N/A	
6K44GK	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
6LGFHB	Investigator® 24plex (STRmix V2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

6LXRZF	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
6QAK89	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
6TQXKG	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
73BTUF	Investigator® 24plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	N/A	N/A		
76EMQZ	PowerPlex® Fusion (STRmix v2.7)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,14,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
76JU4U	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
7DYWKA	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

7EVBB9	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
7FHQ7V	Investigator® 24plex QS (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
7KZ7V9	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
7L93Y7	PowerPlex® Fusion 6C (STRmix v. 2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
7LRWUE	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
7UEYUW	Verifiler Plus					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	11,12,14
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	NT	8,9,9.3	8,11,12
	15,17,18,19	NT	NT	NT	2	
7W6692	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

7WRJRD	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
7YFT4Z	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
7YJWUB	GlobalFiler™ (STRmix v2.5.11)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
827TXU	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
82LE6B	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	N/A	N/A	2	
82MEJD	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
83B4C6	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

84TH7E	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
86MPED	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
894HGK	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
89C6NR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8B3B3W	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8BP4A8	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
8DVDXD	PowerPlex® Fusion 6C (STRmix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

8E3VUM	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
8ECWB3	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8EZWUZ	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8G9B8K	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X / X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
8GCN29	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
8GVX7N	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
8JWPWV	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

8KGVK7	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
8LZCGM	Investigator® 24plex					
	12,15,15.3,[17.3]	[17],19,21	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],[15]	13,[15]	[18],[20],21	8,11,12,[13]	12,[13]
	17,[18],20	13.2,14,[15]	29,30.2,[31],31.2	[15],16	X,[Y]	12,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,[11],[12]
	[15],17,18,[19]	10				
8RTFLC	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
8V924X	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
8V9RHT	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8W99UB	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
8YCQQZ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	



TABLE 2

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

Item 3 - STR Results

8YYLJ9	Investigator® 24plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
92FGEC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
93QMW3	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
96H74Z	PowerPlex® PowerPlex® 21					
	12,15,15.3,17.3	17,19,21		15,16,17	11,12	11,12,14
3	8,9,11	10,12,15		18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19					
9A6F27	GlobalFiler™ (Bulletproof Sentry)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9A6K83	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9D6TQ6	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

9FACPC	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9JYK8E	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9NLHC3	GlobalFiler™ (STRMix version 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9NLJ9M	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9P4FY2	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9RAXXW	PowerPlex® Fusion 6C, GlobalFiler™ (LR mix studio)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
9RNFZ3	Investigator® 24plex (STRMIX)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

9U4Z7C	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9UFXCG	PowerPlex® Fusion 5c (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
9V8EAQ	PowerPlex® Fusion 5c					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
9VALUC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9VEB96	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
9WJ4PW	PowerPlex® Fusion (STRmix 2.7)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
9XEPC2	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	16,17,18,19,21	12,13,14,15	15,16,17	11,12	
3	8,9,11	9,10,11,12,15	12,13,14,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,20	13,13.2,14,15	29,30.2,31,31.2	14,15,16,17	X,Y	11,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

9XXZG2	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
9YEL46	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
A2BRX2	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
A34N4W	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
A3MBYX	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
A7YCNA	Identifiler®, Investigator® 24plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	N/A	N/A	N/A	
A8HNQU	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12
	17,18,20	14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

A9QFBP	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	not tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
A9UZF7	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
AAL4JD	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
AANPFT	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,13,14	15,16,17	11,12	
3	8,9,11	10,11,12,15	13,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	14,15,16,17	X,Y	11,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
ABCUNJ	GlobalFiler™ (STRmix v2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ABFT39	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
ABWWQ9	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	

TABLE 2

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

AGQRT7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
AGXEKQ	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
AHEFWT	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
AHF4BY	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ALCRMY	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ANKZUY	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
AQ922D	GlobalFiler™ (STRmix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

AQ9G7R	GlobalFiler™ (BulletProof Sentry)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,14,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ATV6VY	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
AUD2B6	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
B2NPKX	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
B7JCF7	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
B8BLZ8	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
B8HH28	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

B94DBT	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
BBULAV	PowerPlex® Fusion (STRMix v.2.7)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
BDNUU4	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
BEAX9X	GlobalFiler™					
	(12,15),15.3,17.3	17,19,(21)	(12),14	(15),16,(17)	(11),12	
3	8,9,(11)	10,12,(15)	13,14,15	18,(20),21	8,(11,12),13	12,(13)
	17,18,(20)	(13.2),14,15	(29),30.2,31,(31.2)	15,16	X,Y	12,12
	20,(22),24,(26)			(18),26.2,27.2,(28.2)	8,(9,9.3)	8,11,(12)
	15,(17,18),19	10			2	
BGDX6N	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
BGLNL9	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
BMLA6V	PowerPlex® Fusion (STRmix v2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				



TABLE 2

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

BNXZGK	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
BQ69RQ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
BR8ECC	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
BTFJZ9	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	N/A	N/A	2	
BU8864	Investigator® 24plex (STRMIX)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
BWEAB9	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
BY8NVX	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

BYWUHW	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
BZR9AV	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
C269WH	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
C3KDK8	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
C493DY	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
C4DWDD	PowerPlex® Fusion 6C (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
C6LVP8	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

CC3PMP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
CCK3AV	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CDFYXB	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CDQR4R	PowerPlex® Fusion (STRMix 2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
CETN49	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CF4TEC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CHBHT2	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

CJRH7Y	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CK3EFA	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
CK8C6J	GlobalFiler™					
	12,15,15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,[14],[15]	18,[20],21	8,11,12,13	12,[13]
	17,[18],[20]	[13.2],14,15	29,30.2,31,31.2	[15],16	X,[Y]	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,[9],[9.3]	8,11,[12]
	15,17,18,19	10			2	
CL4KFN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CM7K49	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
CMEM6T	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
CPQR4W	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

CVVWVB	VeriFiler Plus					
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	11,12,14
	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19				2	
D3GJQL	PowerPlex® Fusion 6C (STRmix)					
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
D7F66V	PowerPlex® 21 (STRmix)					
3	12,14,15,15.3,17.3	17,19,21		15,16,17	11,12	11,12,14
	8,9,11	10,12,15		18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19					
D7GUJZ	GlobalFiler™ (STRmix)					
3	11,12,15,15.3,17.3	17,18,19,20,21	11,12,13,14	14,15,16,17	11,12	
	8,9,10,11	9,10,12,14,15	12,13,14,15	18,19,20,21	8,11,12,13	11,12,13
	16,17,18,19,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	11,12
	20,21,22,23,24,25,26			17,18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
D9MCKG	PowerPlex® Fusion 6C (STRmix)					
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
DC3EF9	GlobalFiler™ (STRmix)					
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
DFHZZE	PowerPlex® Fusion 5C					
3	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X / X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

DFUJXQ	PowerPlex® Fusion (strmix v2.7)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
DHBMXX	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,13,14	15,16,17	11,12	
3	8,9,11	10,11,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	14,15,16,17	X,Y	11,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
DHK4KA	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
DJMQ3	GlobalFiler™ (STRmix 2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
DL9PXC	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
DQVAER	PowerPlex® Fusion (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
DQZHRL	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

DTQRRE	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
DX7JG2	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
DYU7MA	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E2FW78	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,[13]
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,[9],[9.3]	8,11,12
	15,17,18,19	10			2	
E4LTVN	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
E7LG7X	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E7THAD	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

E8Y78P	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E93XRX	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E9BUV	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E9Q6LN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
E9UQ8V	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
ECE46J	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
EEK6W3	Investigator® 24plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				



TABLE 2

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

Item 3 - STR Results

EFFAKP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
EFHYPL	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
EG6YQH	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
EGNPXG	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
EKAHXQ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
EKTDFR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	[8,9],11	10,12,15	13,[14,15]	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,[11],12
	15,17,18,19	10			2	
EL8NMX	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

EPXAYR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,[13]
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,[9,9.3]	8,11,12
	15,17,18,19	10			2	
ERV29Y	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,13,14	15,16,17	11,12	
3	8,9,10,11	9,10,12,15	12,13,14,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	11,12
	20,22,24,26			18,25.2,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10		.2	2	
EUVTY6	PowerPlex® Fusion 6C (STRmix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
EUY6C2	GlobalFiler™ (STRmix 2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
EWFMV7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
EWGJ3V	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
EZDDVP	PowerPlex® Fusion (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				

TABLE 2

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

F2EWM6	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
F2VTBX	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
F69QK7	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
F6D9H6	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
F6GLGY	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
F7KUB7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
F9DGT7	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13,[14]
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

F9MYJK	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FA38XE	Investigator® 24plex					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
FAA6JC	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FDPAZY	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
FFU6W4	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
FGM8DR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,[9],[9.3]	8,11,12
	15,17,18,19	10			2	
FHEFDU	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

FKMCDQ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
FLVMQW	GlobalFiler™ (STRmix v2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FN4AEE	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FNTRTA	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FP2AJT	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
FPZ6CW	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FQ7V2Y	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					

TABLE 2

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

Item 3 - STR Results

FVKBNJ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,12,15	13,[14],[15]	18,20,21	8,11,12,13	12,[13]
	17,18,20	[13.2],14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,[11],[12]
	15,17,18,19	10			2	
FWGQDN	Investigator® 24plex QS (STRMix)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
FWXZ9A	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
FY2R8A	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
G27KRZ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
G3DX3M	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
G6QLMM	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

G8RQY8		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
G8RTK6		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
GDJEUX		PowerPlex® Fusion 6C (STRmix)					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	21	17		
GEFN7N		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
GEUPMQ		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
GHUYV7		GlobalFiler™ (STRmix)					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
GJ9KJZ		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

GJTGZ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
GLVY9B	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
GRDJ2P	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
GTE8RZ	Investigator® 24plex (STRmix V2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
GUB6X8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
GXBGT8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
GYH9TV	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	



TABLE 2

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

## Item 3 - STR Results

H8UMDC	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
H98QT2	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
H9PXYJ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
HB9FYB	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
HCHE3R	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
HGEJ6G	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
HKJNQX	Investigator® 24plex (STRmix V2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

HKWDWV	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
HLUW8P	GlobalFiler™ (str-mix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
HMNTKQ	PowerPlex® 21					
	12,15,15.3,17.3	17,19,21		15,16,17	11,12	11,12,14
3	8,9,11	10,12,15		18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19					
HWWEHT	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
HXMYAD	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
HXNDWQ	GlobalFiler™ (STRmix v2.5.11)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
J2LBMA	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

J4MP43	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	-
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	-	-	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	-	-	2	
J4PENR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JABWR8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JBQ4C4	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JD9XJJ	PowerPlex® Fusion 6C (Sentry)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
JDFYR6	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JDYD7L	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

JE3L3E	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],[15]	13,[14],[15]	[18],20,21	8,11,12,13	12,[13]
	17,[18],20	[13.2],14,[15]	29,30.2,[31],31.2	[15],16	X,[Y]	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,[12]
	15,17,18,19	10				
JEKU6F	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
JEQE4X	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JFLRUW	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	NA
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	NA	NA	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	NA	NA	2	
JGU6EJ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
JH4QQK	Investigator® 24plex					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
JJ27YB	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

JKFR87	PowerPlex® Fusion 6C (STRmix v2.6.2)					
	12,15,[15.3],17.3	17,19,21	[12],14	15,16,17	11,12	
3	[8],[9],11	10,[12],15	13,[14],[15]	[18],20,21	8,11,12,13	12,[13]
	17,[18],20	[13.2],14,[15]	29,30.2,[31],31.2	[15],16	X,[Y]	12
	20,22,24,26	9,10,11,[12]	7,12,13	INC	8,9,9.3	8,[11],12
	15,17,18,19	10	21	17		
JLTFAJ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
JLZFXR	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JP6WV	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
JPAL7T	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JQHSDY	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JRTLLU	PowerPlex® Fusion 6C (STRmix 2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

JUCMH2	GlobalFiler™					
	12,15,[15.3],[17.3]	[17],19,21	[12],14	15,[16],17	11,12	
3	[8],[9],11	10,[12],15	13,[14],[15]	[18],20,21	[8],11,12,[13]	12,13
	17,[18],20	13.2,14,[15]	29,[30.2],[31],31.2	[15],16	X,[Y]	12,12
	[20],22,[24],26			18,[26.2],[27.2],28.2	[8],9,9.3	8,[11],12
	[15],17,18,[19]	10			2	
JUW8JT	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
JVVX3	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JWKL7G	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
JXH2E8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
JXHHQP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
K28R6B	Investigator® 24plex					
	12,15,15.3,17.3	[17],19,[21]	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],15	13,[15]	[18],20,21	[8],11,12,[13]	12,[13]
	17,[18],20	13.2,14,[15]	29,[30.2],[31],31.2	[15],16	X,[Y]	12,12
	[20],22,[24],26			17.1,[26.2],[27.2],28.2	8,9,9.3	8,[11],12
	[15],17,18,[19]	10		2		

TABLE 2

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

Item 3 - STR Results

K2VYJA	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
K4NBKL	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
K6832B	PowerPlex® Fusion 6C (STRmix)					
	12,15,[15.3],[17.3]	[17],19,21	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],15	13,[14],[15]	[18],20,21	[8],11,12,[13]	12,[13]
	17,[18],[20]	13.2,14,[15]	29,[30.2],[31],31.2	[15],16	X,[Y]	12,12
	[20],22,[24],26	[9],10,11,[12]	7,12,13	17.1,[26.2],[27.2],28.2	8,9,9.3	8,[11],12
	[15],17,18,[19]	10	21	17		
K7R724	GlobalFiler™ (STRmix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
K8Z362	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
K9AYNK	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
K9FYZL	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					

TABLE 2

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

## Item 3 - STR Results

KABMEB	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
KCGNHZ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KEWTLH	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
KFRHU7	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
KGDBBN	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KGWYR	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KKBPYD	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

KL3HK4	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KL6DG9	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KMQWUL	GlobalFiler™ (TrueAllele)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KMX36G	Investigator® 24plex QS (STRmix V2.4.06)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	14,15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
KN8YT8	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
KNAJKG	Investigator® 24plex QS (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
KPH4Z4	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

KQBUAP	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KUH2ZW	Investigator® 24plex (STRmix V2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
KV2BD3	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KWERQF	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	Not Tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
KWFHJZ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
KXWMNA	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
L2CKP6	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

L2EDD6	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
L2FDQ6	PowerPlex® Fusion 5C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
L6UBW7	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
L944HJ	GlobalFiler™ (TrueAllele)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LABXNP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
LATWYP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LBHXPQ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

LD7CDZ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LEYTHP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LF2B37	GlobalFiler™ (STRmix version 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LG4HLX	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,19,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LHXAFR	PowerPlex® Fusion 5C, MiniFiler					
	INC	INC	INC	INC	INC	NA
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
LHXZVM	GlobalFiler™ (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LLG7GN	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

LMYHB9	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LNH89K	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
LP49F3	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LPFLNQ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
LPQRLM	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LR4ZAF	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
LR7B4H	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

LRL8FX	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
LTHFRM	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LTTKLD	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LTZFH7	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LVNU8F	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
LWXVCM	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
LZHW7A	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

M27PJ4	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
M3E2WY	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
M3MPV7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
M4RH67	PowerPlex® Fusion 5C					
	[12],15,15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,14,15	18,[20],21	8,11,12,13	12,[13]
	17,18,[20]	[13.2],14,15	[29],30.2,31,[31.2]	15,16	X,[Y]	12,12
	20,[22],24,[26]	9,[10],[11],12	[7],12,[13]		8,[9],[9.3]	8,11,[12]
	15,17,18,19	10				
M4ZZMP	Identifiler® Plus, MiniFiler					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
M688YP	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,18,19,20,21	12,13,14	15,16,17	11,12	
3	8,9,11	9,10,12,15	13,14,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	11,12
	20,22,23,24,25,26			17,18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
M7NQXN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

M99UD9	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
M9RLE7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MBW92J	GlobalFiler™ IQC (LRMIX Studio 2.1.3)					
	12,15,15.3,17.3	17,18,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MCUWJY	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MFBWN2	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
MG2793	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
MG6MRU	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				



TABLE 2

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

## Item 3 - STR Results

MGGGAF	Investigator® 24plex QS (STRmix V 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
MHUXHM	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MK2H43	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
MK4JCZ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MLN22T	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MLU9EM	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MM7GK8	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

MR7ZXM	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MRX7VE	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	Not Tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
MT6L3K	PowerPlex® 16					
				15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20		29,30.2,31,31.2		X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19					
MU6HVN	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MUELX2	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
MVZ2VU	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
MW37NQ	PowerPlex® Fusion 6C (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

MWUFAR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	N/A	N/A	2	
N2ZUD3	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
N4VR6N	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,13,14	15,16,17	11,12	
3	8,9,10,11	9,10,11,12,15	12,13,14,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,20	13.2,14,15	29,30,30.2,31,31.2	15,16,17	X,Y	11,12
	20,22,24,25,26			18,25.2,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
N96K3N	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
NAWUG	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
NBNJCC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
NC2U4U	GlobalFiler™					
	12,15,[15.3],17.3	17,19,21	12,14	15,16,17	11,12	NA
3	8,9,11	10,12,15	13,[14],[15]	[18],20,21	[8],11,12,13	12,13
	17,18,20	13.2,14,[15]	29,30.2,31,31.2	15,16	X,Y	12
	[20],22,24,26	NA	NA	18,26.2,27.2,28.2	8,9,9.3	8,[11],12
	15,17,18,[19]	10	NA	NA	[2]	

TABLE 2

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

NDJBCP	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
NE8T8V	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
NHMEPG	PowerPlex® Fusion (STRmix V2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
NLDQBM	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	16	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12
	17,18,20	14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
NMY8VA	PowerPlex® Fusion 6c					
	12,15,[15.3],[17.3]	[17],19,21	[12],14	15,16,17	11,12	
3	[8],[9],11	10,[12],15	13,[14],[15]	[18],20,21	[8],11,12,[13]	12,[13]
	17,[18],20	13.2,14,[15]	29,[30.2],[31],31.2	[15],16	X,Y	12,12
	[20],22,[24],26	[9],10,11,[12]	7,12,13	17.1,[26.2],[27.2],28.2	8,9,9.3	8,[11],12
	[15],17,18,[19]	10	21	17		
NNJ9B4	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
NQ7V4Q	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

NQKZ2A	PowerPlex® Fusion 5c					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X/X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
NRFC6P	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
NT7MUX	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
NTPFNF	PowerPlex® Fusion 5C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
NVJJRU	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
NVTFEE	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
NVX2HT	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

NZFPAZ	GlobalFiler™, MiniFiler (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
P2B966	GlobalFiler™					
	12,15,15.3,17.3	[17],19,[21]	[12],14	15,16,[17]	[11],12	
3	[8],[9],11	10,[12],15	13,[14],[15]	[18],[20],21	8,11,12,13	12,[13]
	17,[18],[20]	[13.2],14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,[9.3]	8,[11],[12]
	15,17,18,19	10			2	
P3NRXE	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
P4A7YY	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
P7NFF3	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
P88QKA	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
PAQTJ3	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

## Item 3 - STR Results

PBQAX7	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
PF2UUX	GlobalFiler™ (STRmix™)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
PJ3GLM	Identifiler® Plus, MiniFiler					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
PKZJKY	GlobalFiler™ (STRmix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
PMUCP9	GlobalFiler™ (STRmix)					
	[12],[15],15.3,17.3	[17],19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,[12],[15]	13,14,15	18,[20],21	8,[11],12,13	12,[13]
	17,18,[20]	[13.2],14,[15]	[29],30.2,31,[31.2]	15,16	X,[Y]	12,12
	20,[22],24,[26]			[18],26.2,27.2,[28.2]	8,[9],[9.3]	8,11,[12]
	15,[17],[18],19	10			2	
PN9R6V	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
PP4L7Q	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

PP86BG	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
PQTYQ4	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
PTA6BE	PowerPlex® Fusion 6C (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
PXK4VK	Identifiler® Plus, PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
PZY99B	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
Q22PBK	Investigator® 24plex QS (TrueAllele)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
Q2F8C6	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

Q493WT	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Q4KFZB	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Q8K7MV	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Q98HVU	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Q9CNK6	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Q9F9CE	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	16,17,18,19,21	12,13,14	15,16,17	11,12	
3	8,9,11	9,10,11,12,15	13,14,15	17,18,20,21	7,8,11,12,13	11,12,13
	16,17,18	13,13.2,14,15	29,29.2,30.2,31,31.2	14,15,16	X,Y	11,12
	20,22,24,26		2	17.1,25.2,26.2,27.2,28.2	7,8,9,9.3	8,10,11,12
	14,15,17,18,19	10				
QDLZ7J	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

QDWUJK	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,19,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
QEGE2P	GlobalFiler™ (Bullet Proof Sentry)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
QFDV9K	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
QFNZ7G	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
QGPKMQ	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,[12],[15]	13,14,15	[18],[20],21	8,11,12,13	12,[13]
	17,18,[20]	[13.2],14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26	9,10,11,12	[7],12,[13]		8,[9],[9.3]	8,[11],[12]
	15,17,18,19	10				
QGW6EK	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
QH2RRP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11,11	10,12,15	13,13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,16	X,X,Y	12,12
	20,22,24,26	N/A	N/A	18,26.2,27.2,28.2	8,9,[9.3]	8,11,12
	15,17,18,19	10	N/A	N/A	2	

TABLE 2

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

QJPUBD	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
QJQYG9	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
QJU862	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y / X,X	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
QL2PW6	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
QLJQRK	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
QME6JJ	GlobalFiler™ (STRMIX)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
QNTZCJ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

QPJ7QN	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
QTZ7J4	PowerPlex® Fusion 5C					
	[12],[15],15.3,17.3	[17],19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,[11]	10,12,[15]	[13],14,15	18,[20],21	8,[11],[12],13	12,[13]
	17,18,[20]	[13.2],14,15	[29],30.2,31,[31.2]	15,16	X,Y	12,12
	20,[22],24,[26]	9,[10],[11],12	[7],12,[13]		8,[9],[9.3]	8,11,[12]
	15,[17],[18],19	10				
QUCQH7	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
QV7QKB	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
QY9L9K	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
QYBJWF	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
QZXWYD	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

QZZL4A	Investigator® 24plex (Strmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
R2EU43	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
R36J9B	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
R4FLUA	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
R687FZ	GlobalFiler™ (STRmix v 2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	-
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	-	-	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	-	-	2	
R8B47F	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
R8H6AV	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

R9A9VB	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
RBV9HK	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RC8LMG	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
RC9LKV	Identifiler®, Investigator® 24plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	n/a
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	n/a	n/a	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	n/a	n/a	n/a	
RCBA3Y	Investigator® 24plex QS (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
RCBZX2	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RFLN67	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

RFRNF8	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,X / X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
RH3J9Q	Investigator® 24plex					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
RHVFF8	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
RHVNCX	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RJLUNH	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RKWLFL	Identifiler® Plus					
		17,19,21		16,17	12,12	
3	8,9,11	10,12,15			8,11,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,19					
RMQDUQ	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

RNYWVZ	GlobalFiler™ (STRmix 2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RPWPQ7	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RPZAT2	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9.3	8,11,12
	15,17,18,19	10			2	
RT2TUL	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
RUPP3G	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
RZBTXQ	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
RZX2CZ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	



TABLE 2

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

## Item 3 - STR Results

T4ZRHL	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
T67TTD	PowerPlex® Fusion (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
T73VK8	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
T8Z7HV	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
T9828N	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
TAWDNF	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TDYBCF	Investigator® 24plex QS kit (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

TFQRNU	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TFTL3U	GlobalFiler™ (STRMix v2.5)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
THXJMG	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TKH4EJ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
TKQR9K	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
TL2VKN	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TTNF6G	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	NT
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	NT	NT	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	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

TU7RET	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TULMUN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TUNCYK	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
TVW4UZ	GlobalFiler™ (STRmix V2.4.06)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	-
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	-	-	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	-	-	2	
TY3Q3J	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	16,17	12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TYFL6D	GlobalFiler™ (TrueAllele)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
TZEPU8	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

U3NCNK	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
U6K7WL	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	NA
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	NA	NA	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	NA	NA	2	
U9LMGP	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
U9PW2F	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UACW2Q	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
UC7NBC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UCLXCP	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

UCRNKE	GlobalFiler™					
3	[Redacted]					
UDC9WQ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
UE69RG	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UHXAHJ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,13,14	15,16,17	11,12	
3	8,9,10,11	10,12,15	12,13,14,15	18,20,21	8,11,12,13	11,12,13
	16,17,18,19,20	13,13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	11,12
	20,22,23,24,25,26			17,18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UKE4U6	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UMGB4A	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
UNZDA3	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

UPEVGE	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UQ26ZA	Identifiler® Plus					
		17,19,[21]		[15],16,16,[17]	[11],12,12	
3	8,9,[11]	10,12,[15]			8,[11],[12],13	12,12,[13]
	17,18,[20]	[13.2],14,15	[29],30.2,31,[31.2]		X,Y	12,12
	20,[22],24,[26]				8,8,[9],[9.3]	8,11,[12]
	15,[17],[18],19					
URG86W	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
URQXRY	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
UWAF8H	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
UYE7CC	PowerPlex® Fusion (STRMix 2.7)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				
UYWXGG	Investigator® 24plex (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3 - STR Results

V2QKTP	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
V3QE8F	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
V3QHJD	Investigator® 26plex QS					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	11,12,14
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	-	8,9,9.3	8,11,12
	15,17,18,19	10				
VCKYTL	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
VE8MZF	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
VFJANL	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
VJJY2H	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

VP84ZH	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
VQJAE2	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
VQZKUL	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
VUUFL9	Verifiler Plus					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	11,12,14
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19				2	
VXEGT2	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
W3NZ6E	PowerPlex® Fusion, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
W4ZMW2	GlobalFiler™					
	[12],[15],15.3,17.3	[17],19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,14,15	18,[20],21	8,[11],[12],13	12,[13]
	17,18,[20]	[13.2],14,[15]	[29],30.2,31,[31.2]	15,16	X,[Y]	12,12
	20,[22],24,[26]			[18],26.2,27.2,[28.2]	8,[9],[9.3]	8,11,[12]
	15,[17],[18],19	10			2	



TABLE 2

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

Item 3 - STR Results

W8DMQ8		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	-
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
		20,22,24,26	-	-	18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	-	-	2	
W8ZYMZ		GlobalFiler™					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10			2	
W92BLU		PowerPlex® Fusion 6C					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	21	17		
W9DHHQ		PowerPlex® 6C (STRmix)					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	21	17		
WA6L67		PowerPlex® Fusion 6C					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	21	17		
WB23C2		PowerPlex® Fusion 5C					
		12,15,[15.3,17.3]	[17],19,[21]	[12],14	15,16,[17]	[11],12	
3		[8,9],11	10,[12],15	13,[14,15]	[18,20],21	[8,11],12,[13]	12,[13]
		17,[18,20]	[13.2],14,[15]	29,30.2,31,31.2	[15],16	X,[Y]	12
		20,22,[24],26	[9],10,[11,12]	[7],12,[13]		8,9,9.3	8,[11,12]
		15,17,18,[19]	10				
WCCRXY		PowerPlex® Fusion 6C (STRmix)					
		12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3		8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
		17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
		20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
		15,17,18,19	10	21	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

WD6UC2	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,12,[15]	13,14,15	18,[20],21	8,[11],12,13	12,[13]
	17,18,[20]	[13.2],14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,[24],26	9,10,11,12	[7],12,[13]		8,[9],[9.3]	8,11,[12]
	15,17,18,19	10				
WENZ76	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
WGUXLL	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
WJJWQP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WL4RHN	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
WMACWX	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WNCUFF	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

WNLEVX	GlobalFiler™					
	12,[15],15.3,17.3	17,19,[21]	[12],14	[15],16,[17]	[11],12	
3	8,9,11	10,[12],[15]	13,[14],[15]	18,[20],21	8,11,12,13	12,[13]
	17,18,[20]	[13.2],14,15	29,30.2,31,31.2	[15],16	X,[Y]	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,[9],[9.3]	8,11,[12]
	15,17,18,19	10			2	
WNQFTN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WNV8WK	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WPJVZ9	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
WQBXMN	PowerPlex® PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
WVTJ4F	Identifiler® Plus, MiniFiler					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
WW8WLX	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

WXU78D	PowerPlex® Fusion, GlobalFiler™ (GeneMapper ID-X 1.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WYVB9M	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
WZ3CQU	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
X29UPP	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
X37KE4	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
X3894V	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
X4WM2J	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	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

X9T3Y8	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
X9XHET	Investigator® 24plex QS (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
XA8V8A	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XB9VGZ	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XBWYAA	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XC779W	PowerPlex® Fusion 6C					
	12,15,15.3,17.3	[17],19,[21]	[12],14	15,16,[17]	[11],12	
3	[8],[9],11	10,[12],[15]	13,[14],[15]	[18],20,21	8,11,12,[13]	12,[13]
	17,[18],[20]	13.2,14,[15]	29,30.2,[31],31.2	[15],16	X,[Y]	12,12
	20,22,[24],26	9,10,11,[12]	7,12,13	17.1,26.2,27.2,28.2	8,[9],9.3	8,[11],12
	15,17,18,19	10	21	17		
XCTDYN	GlobalFiler™ (STRMix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

XD7AUY	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
XEJHNE	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
XF3T46	GlobalFiler™ (TrueAllele)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XGN4KR	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XHK4BW	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
XJ6NRE	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
3	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
XM8HUQ	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	[17],19,[21]	[12],14	15,16,17	[11],12	
3	[8],[9],11	10,[12],[15]	13,[14],[15]	[18],20,21	8,11,12,[13]	12,[13]
	17,[18],[20]	[13.2],14,15	29,30.2,31,31.2	[15],16	X,[Y]	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,[11],[12]
	[15],17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

XMCBT6	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
XUQJFV	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	[11],13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y / X,X	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
XX6BEB	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
XYLFZF	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
XZY8TW	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Y34YJN	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	[12],14	15,16,17	[11],12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,[13]
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Y93QJ6	PowerPlex® Fusion (STRmix V2.7.0)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	INC				

TABLE 2

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

Y9N3GJ	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
YAFD2K	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
YAJTF7	Investigator® 24plex					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
YCUUZX	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
YGXGCT	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YHEL2J	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YKLV23	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	



TABLE 2

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

## Item 3 - STR Results

YNHPMB	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YPE9NC	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YTQ3F3	GlobalFiler™ (STRmix 2.4)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YTWL7	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
YVWJKZ	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	Not Tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
Z3CKF4	PowerPlex® Fusion 5C					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
Z3DAN8	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

## Item 3 - STR Results

Z489NQ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
Z63RPR	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
Z76PTF	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
Z8D2BG	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
ZBNRZD	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ZC7HNP	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ZCLTCW	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

ZDZ77K	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ZFL48W	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ZGV8P2	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	Not Tested
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	Inconclusive	8,9,9.3	8,11,12
	15,17,18,19	10	21	17	2	
ZL4TBD	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	
ZLRG4E	GlobalFiler™					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	N/A
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	N/A	N/A	18,26.2,27.2,28.2	8,[9],9.3	8,11,12
	15,17,18,19	10	N/A	N/A	2	
ZNK8DZ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
ZQN3UG	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3 - STR Results

ZTLYA6	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2		X,Y	12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
ZVXKCD	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
ZXBGBA	PowerPlex® ESX 16 Fast					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17		
3		10,12,15	13,14,15	18,20,21		12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	
	20,22,24,26				8,9,9.3	
	15,17,18,19					
ZZ6BFJ	PowerPlex® Fusion 6C (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12,12
	20,22,24,26	9,10,11,12	7,12,13	17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10	21	17		
ZZD2VH	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,18,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,11,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	16,17,18,20	13.2,14,15	29,30.2,31,31.2	15,16,17	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
ZZDYAK	GlobalFiler™ (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			18,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10			2	

TABLE 2

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

Item 3e - STR Results

7XKA2X	Identifiler® Plus					
		17,19,21		15,16,17	11,12	
3e	8,9,11	10,12,15			8,11,12,13	12,13
	17,18,(19),20	13.2,14,15	29,30.2,31,31.2		X,X,Y	12,12
	20,22,24,26				8,9,9.3	8,11,12
	15,17,18,19					
ARL2Y2	PowerPlex® Fusion (Bulletproof)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	[11],12	
3e	8,9,11	10,12,15	13,14,15	18,20,21	8,11,12,13	12,[13]
	17,18,20	13.2,14,15	29,30.2,31,31.2	[15],16	X,[Y]	12,12
	20,22,24,26	9,10,11,12	7,12,13		8,9,9.3	8,11,12
	15,17,18,19	10				
MRYW4H	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	15,16,17	11,12	
3e	8,9,11	10,12,15	13,15*	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				
NBNUHE	Investigator® 24plex (STRmix)					
	12,15,15.3,17.3	17,19,21	12,14	16,17	11,12	
3e	8,9,11	10,12,15	13,15*	18,20,21	8,11,12,13	12,13
	17,18,20	13.2,14,15	29,30.2,31,31.2	15,16	X,Y	12
	20,22,24,26			17.1,26.2,27.2,28.2	8,9,9.3	8,11,12
	15,17,18,19	10				

TABLE 2

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

Item 3sp - STR Results

7XKA2X	Identifiler® Plus					
		NA		NA	NA	
3sp	NA	NA			NA	NA
	NA	NA	NA		NA	NA
	NA				NA	NA
	NA					
ARL2Y2	PowerPlex® Fusion (Bulletproof)					
3sp						
MRYW4H	Investigator® 24plex (STRmix)					
	NA	NA	NA	NA	NA	
3sp	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA
	NA			NA	NA	NA
	NA	NA				
NBNUHE	Investigator® 24plex (STRmix)					
	17.3		14	16	12	
3sp		10				
			31			12
	20				8	
	15					

TABLE 2

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

Item 4 - STR Results

224KFF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
22KUZG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
22TTLP	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
24CD8E	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
24QBEZ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
24UD4P	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
26GMP6	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

26XR6H	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
26Z2E9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
27RHE4	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
289HPK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
28HL2J	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
28M2G6	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
28MW73	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				



TABLE 2

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

Item 4 - STR Results

29UDY7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
29YAMP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
2CMFTF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
2D8KGQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
2LKXTB	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
2LPKZG	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
2MKYVM	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

2N8PNE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
2VWNHE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	
2X6M69	Identifiler® Plus, PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
329U8C	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
32KNEL	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
33PW3Q	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
36NARC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

379MVG	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
383NHJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
3ALLXA	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10			2	
3ALUPU	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
3B848B	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
3CA9E4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
3FC7MB	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	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

3HFXPW	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
3HZKCK	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3JQQN6	PowerPlex® 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3MF77D	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
3QLTFQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
3RFQFA	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
3TUHVQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

3UQCWP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3UYRBW	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3VMWG4	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
3XBB7D	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
3XQMRP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
3YTPZM	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
42UQ7X	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

42VLTA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
43QZHM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
48FHLD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4AGQM3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4BWVA8	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4CFA4G	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4D4PAH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

4DYW9J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4E36TP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4FLKL4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4G8XPA	Investigator® 24plex QS (Strmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
4GZ3QV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12,[13]	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12,[13]		8,8	8,11,[12]
	15,19	10				
4L4GR8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4MR6Y2	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

4N7GVK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
4PWM86	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4RNAMEK	PowerPlex® Fusion 6C (STRmix 2.6)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
4TD9EH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4U6C2X	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4WCKD4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4WDBRY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	



TABLE 2

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

Item 4 - STR Results

4YPWU8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
4ZYC9L	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
63J2WQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
672FM6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
67GUH9	PowerPlex® Fusion 5C, MiniFiler					
	15.3,17.3	17,19	14	16	12	N/A
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	N/A	8	8,11
	15,19	10	N/A	N/A	N/A	
6K44GK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
6LGFHB	Investigator® 24plex (STRmix V2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

6LXRZF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
6QAK89	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
6TQXKG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
73BTUF	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A		
76EMQZ	PowerPlex® Fusion (STRmix v2.7)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
76JU4U	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
7DYWKA	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

7EVBB9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7FHQ7V	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
7KZ7V9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7L93Y7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
7LRWUE	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
7UEYUW	VeriFiler Plus					
	15.3,17.3	17,19	14	16	12	11
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	NT	8	8,11
	15,19	NT	NT	NT	2	
7W6692	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

7WRJRD	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27.2	8,8	8,11
	15,19	10	21	17		
7YFT4Z	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27.2	8,8	8,11
	15,19	10			2	
7YJWUB	GlobalFiler™ (STRmix v2.5.11)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27.2	8,8	8,11
	15,19	10			2	
827TXU	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
82LE6B	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26,2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
82MEJD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
83B4C6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27.2	8,8	8,11
	15,19	10	21	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

84TH7E	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
86MPED	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
894HGK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
89C6NR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
8B3B3W	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
8BP4A8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
8DVDXD	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	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

8E3VUM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8ECWB3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
8EZWUZ	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10			2	
8G9B8K	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
8GCN29	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
8GVX7N	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8JWPWV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

8KGVK7	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
8LZCGM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
8RTFLC	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
8V924X	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
8V9RHT	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
8W99UB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
8YCQQZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

8YYLJ9	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
92FGEC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
93QMW3	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
96H74Z	PowerPlex® PowerPlex® 21					
	15.3,17.3	17,19		16,16	12,12	11,11
4	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30,2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					
9A6F27	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
9A6K83	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
9D6TQ6	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				



TABLE 2

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

Item 4 - STR Results

9FACPC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9JYK8E	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
9NLHC3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9NLJ9M	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9P4FY2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9RAXXW	PowerPlex® Fusion 6C, GlobalFiler™ (LR mix Studio)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17	2	
9RNFZ3	Investigator® 24plex (STRMIX)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				

TABLE 2

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

## Item 4 - STR Results

9U4Z7C	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
9UFXCG	PowerPlex® Fusion 5c					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
9V8EAQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
9VALUC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9VEB96	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	13,14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
9WJ4PW	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
9XEPB2	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

9XXZG2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
9YEL46	Investigator® 24plex QS (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
A2BRX2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
A34N4W	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
A3MBYX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
A7YCNA	Identifiler®, Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	N/A	
A8HNQU	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

A9QFBP	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	not tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
A9UZF7	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
AAL4JD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
AANPFT	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
ABCUNJ	GlobalFiler™ (STRmix v2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ABFT39	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ABWWQ9	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	

TABLE 2

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

AGQRT7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
AGXEKQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
AHEFWT	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
AHF4BY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ALCRMY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ANKZUY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
AQ922D	GlobalFiler™ (STRmix v2.5)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

AQ9G7R	GlobalFiler™ (BulletProof Sentry)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ATV6VY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
AUD2B6	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
B2NPKX	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
B7JCF7	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
B8BLZ8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
B8HH28	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

B94DBT	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BBULAV	PowerPlex® Fusion (STRMix v.2.7)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
BDNUU4	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
BEAX9X	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BGDX6N	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BGLNL9	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
BMLA6V	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

BNXZGK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
BQ69RQ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
BR8ECC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
BTFJZ9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
BU8864	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
BWEAB9	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
BY8NVX	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	



TABLE 2

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

Item 4 - STR Results

BYWUHW	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30,2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
BZR9AV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
C269WH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
C3KDK8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
C493DY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
C4DWDD	PowerPlex® Fusion 6C (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
C6LVP8	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

CC3PMP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
CCK3AV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CDFYXB	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CDQR4R	PowerPlex® Fusion (STRMix 2.7.0)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
CETN49	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CF4TEC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CHBHT2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

CJRH7Y	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CK3EFA	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
CK8C6J	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	{X,Y}	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CL4KFN	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
CM7K49	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
CMEM6T	PowerPlex® Fusion					
	15.3,17.3	17,19	14	[14],16	12	
4	8,9	10,12	14,15	18,21	8,13	[11.2],12
	17,18	14,15	30.2,31	15,16	X,Y	[10],12,[13]
	20,24	9,12	[9.4],12		8	8,11
	15,19	INC				
CPQR4W	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

CVWVVB	VeriFiler Plus					
	15.3,17.3	17,19	14	16	12	11
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19				2	
D3GJQL	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
D7F66V	PowerPlex® 21 (STRmix)					
	15.3,17.3	17,19		16,16	12,12	11,11
4	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					
D7GUJZ	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	13,14	15,16	11,12	
4	8,9	10,11,12	14,15	18,21	8,12,13	11,12
	16,17,18	14,15	30.2,31	15,16	X,Y	11,12
	19,20,23,24			25.2,26.2,27.2	8	8,11
	15,19	10			2	
D9MCKG	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
DC3EF9	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
DFHZZE	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

DFUJXQ	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
DHBMXX	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
DHK4KA	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
DJMQ3	GlobalFiler™ (STRmix 2.5)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
DL9PXC	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
DQVAER	PowerPlex® Fusion (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
DQZHRL	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

DTQRRE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
DX7JG2	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
DYU7MA	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E2FW78	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E4LTVN	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
E7LG7X	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
E7THAD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

E8Y78P	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
E93XRX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E9BUVW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
E9Q6LN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
E9UQ8V	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
ECE46J	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
EEK6W3	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

EFFAKP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
EFHYPL	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
EG6YQH	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
EGNPXG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
EKAHXQ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27.2	8,8	8,11
	15,19	10				
EKTDFR						
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
EL8NMX	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	



TABLE 2

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

## Item 4 - STR Results

EPXAYR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ERV29Y	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
EUVTY6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
EUY6C2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
EWFMV7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
EWGJ3V	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
EZDDVP	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

F2EWM6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F2VTBX	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
F69QK7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F6D9H6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
F6GLGY	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
F7KUB7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
F9DGT7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

F9MYJK	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FA38XE	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FAA6JC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FDPAZY	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
FFU6W4	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FGM8DR	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FHEFDU	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

FKMCDQ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FLVMQW	GlobalFiler™ (STRmix v2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
FN4AEE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FNTRTA	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FP2AJT	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FPZ6CW	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FQ7V2Y	Identifiler® Plus					
		17,19		16	12	
4	8,9	10,12			8,13	12
	17,18	14,15	30.2,31		X,Y	12
	20,24				8	8,11
	15,19					

TABLE 2

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

## Item 4 - STR Results

FVKBNJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FWGQDN	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
FWXZ9A	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
FY2R8A	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
G27KRZ	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
G3DX3M	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
G6QLMM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

G8RQY8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
G8RTK6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GDJEUX	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
GEFN7N	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GEUPMQ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
GHUYV7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GJ9KJZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

GJTGZ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
GLVY9B	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GRDJ2P	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
GTE8RZ	Investigator® 24plex (STRmix V2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
GUB6X8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GXBGT8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
GYH9TV	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

H8UMDC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
H98QT2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
H9PXYJ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
HB9FYB	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HCHE3R	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
HGEJ6G	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
HKJNQX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19					



TABLE 2

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

## Item 4 - STR Results

HKWDWV	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HLUW8P	GlobalFiler™ (str-mix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
HMNTKQ	PowerPlex® 21					
	15.3,17.3	17,19		16,16	12,12	11,11
4	8,9	10,12		18,21	8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					
HVWEHT	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
HXMYAD	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
HXNDWQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
J2LBMA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

J4MP43	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	-
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	-	-	26.2,27.2	8	8,11
	15,19	10	-	-	2	
J4PENR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JABWR8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JBQ4C4	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JD9XJJ	PowerPlex® Fusion 6C (Sentry)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JDFYR6	GlobalFiler™, MiniFiler (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JDYD7L	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

JE3L3E	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
JEKU6F	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JEQE4X	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JFLRUW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,19	10	NA	NA	2	
JGU6EJ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JH4QQK	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
JJ27YB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

JKFR87	PowerPlex® Fusion 6C (STRmix v2.6.2)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JLTFAJ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
JLZFXR	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JP6WV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
JPAL7T	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JQHSDY	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JRTLLU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

JUCMH2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
JUW8JT	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
JVVX3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JWKL7G	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
JXH2E8	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
JXHHQP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K28R6B	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

K2VYJA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
K4NBKL	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K6832B	PowerPlex® Fusion 6C, Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
K7R724	GlobalFiler™ (STRmix v2.5)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
K8Z362	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
K9AYNK	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
K9FYZL	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					

TABLE 2

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

Item 4 - STR Results

KABMEB	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
KCGNHZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
KEWTLH	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
KFRHU7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
KGDBBN	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
KGTWYR	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
KKBPYD	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

KL3HK4	GlobalFiler™, MiniFiler (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KL6DG9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
KMQWUL	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KMX36G	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
KN8YT8	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
KNAJKG	Investigator® 24plex QS (STRMix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
KPH4Z4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

KQBUAP	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
KUH2ZW	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
KV2BD3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KWERQF	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
KWFHZJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
KXWMNA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
L2CKP6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

L2EDD6	Investigator® 24plex QS (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
L2FDQ6	PowerPlex® Fusion 5C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
L6UBW7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
L944HJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LA8XNP	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
LATWYP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LBHXPQ	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

LD7CDZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LEYTHP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LF2B37	GlobalFiler™ (STRmix version 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LG4HLX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LHXAFR	PowerPlex® Fusion 5C, MiniFiler					
	15.3,17.3	17,19	14	16	12	NA
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
LHXZVM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LLG7GN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

LMYHB9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LNH89K	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
LP49F3	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LPFLNQ	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
LPQRLM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LR4ZAF	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LR7B4H	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

LRL8FX	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LTHFRM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LTTKLD	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LTZFH7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
LVNU8F	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
LWXVCM	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
LZHW7A	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

M27PJ4	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
M3E2WY	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M3MPV7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M4RH67	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
M4ZZMP	Identifiler® Plus, MiniFiler					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
M688YP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
M7NQXN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

M99UD9	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
M9RLE7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MBW92J	GlobalFiler™ IQC					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
MCUWJY	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MFBWN2	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
MG2793	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
MG6MRU	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

MGGGAF	Investigator® 24plex QS (STRmix V 2.4)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
MHUXHM	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
MK2H43	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
MK4JCZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
MLN22T	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
MLU9EM	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
MM7GK8	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

MR7ZXM	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MRX7VE	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
MT6L3K	PowerPlex® 16					
				16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18		30.2,31		X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19					
MU6HVN	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10			2	
MUELX2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
MVZ2VU	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
MW37NQ	PowerPlex® Fusion 6C (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

MWUFAR	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
N2ZUD3	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
N4VR6N	GlobalFiler™ (STRmix)					
	14.3,15.3,16.3,17.3	17,18,19	13,14	15,16	11,12	
4	8,9	9,10,11,12	13,14,15	17,18,20,21	8,12,13	11,12
	16,17,18	13,14,15	29.2,30,30.2,31	14,15,16	X,Y	11,12
	19,20,23,24			25.2,26.2,27.2	8	8,11
	14,15,18,19	10			2	
N96K3N	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
NAWUG	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
NBNJCC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
NC2U4U	GlobalFiler™					
	[15.3],[17.3]	17,19	14,14	16,16	12,12	NA
4	8,9	10,12	[14],[15]	[18],[21]	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NA	NA	26.2,27.2	8,8	8,11
	15,[19]	10	NA	NA	[2]	

TABLE 2

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

NDJBCP	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
NE8T8V	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
NHMEPG	PowerPlex® Fusion (STRmix V2.7.0)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
NLDQBM	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
NMY8VA	PowerPlex® Fusion 6c					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
NNJ9B4	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
NQ7V4Q	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	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

NQKZ2A	PowerPlex® Fusion 5c					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
NRFC6P	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
NT7MUX	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
NTPFNF	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
NVJJRU	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
NVTFEE	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
NVX2HT	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

NZFPAZ	GlobalFiler™, MiniFiler (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
P2B966	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
P3NRXE	PowerPlex® Fusion (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
P4A7YY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
P7NFF3	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
P88QKA	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
PAQTJ3	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

PBQAX7	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PF2UUX	GlobalFiler™, MiniFiler™ (STRmix™)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
PJ3GLM	Identifiler® Plus, MiniFiler					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
PKZJKY	GlobalFiler™ (STRmix v2.5)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PMUCP9	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PN9R6V	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PP4L7Q	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

PP86BG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
PQTYQ4	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
PTA6BE	PowerPlex® Fusion 6C (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PXK4VK	Identifiler® Plus, PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
PZY99B	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Q22PBK	Investigator® 24plex QS					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
Q2F8C6	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

Q493WT	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Q4KFZB	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Q8K7MV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Q98HVU	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Q9CNK6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Q9F9CE	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QDLZ7J	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	



TABLE 2

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

Item 4 - STR Results

QDWUJK	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QEGE2P	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QFDV9K	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
QFNZ7G	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
QGPKMQ	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
QGW6EK	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QH2RRP	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	

TABLE 2

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

QJPUBD	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
QJQYG9	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
QJU862	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12,(13)	
4	8,9	10,12	(12),14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
QL2PW6	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QLJQRK	(STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
QME6JJ	GlobalFiler™ (STRMIX)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QNTZCJ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

QPJ7QN	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QTZ7J4	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
QUCQH7	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
QV7QKB	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
QY9L9K	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QYBJWF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
QZXWYD	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

QZZL4A	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
R2EU43	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
R36J9B	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
R4FLUA	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
R687FZ	GlobalFiler™ (STRmix v 2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	-
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	-	-	26.2,27.2	8,8	8,11
	15,19	10	-	-	2	
R8B47F	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
R8H6AV	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

R9A9VB	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
RBV9HK	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10			2	
RC8LMG	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
RC9LKV	Identifiler®, Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	n/a
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	n/a	n/a	26,2,27,2	8,8	8,11
	15,19	10	n/a	n/a	n/a	
RCBA3Y	Investigator® 24plex QS (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10				
RCBZX2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
RFLN67	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

RFRNF8	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
RH3J9Q	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
RHVFF8	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
RHVNCX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
RJLUNH	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
RKWLFL	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
RMQDUQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

RNYWVZ	GlobalFiler™ (STRmix 2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
RPWPQ7	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
RPZAT2	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
RT2TUL	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	20,21	17		
RUPP3G	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
RZBTXQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
RZX2CZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

T4ZRHL	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
T67TTD	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
T73VK8	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
T8Z7HV	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
T9828N	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
TAWDNF	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
TDYBCF	Investigator® 24plex QS kit (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				



TABLE 2

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

## Item 4 - STR Results

TFQRNU	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TFTL3U	GlobalFiler™ (STRmix v2.5)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
THXJMG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
TKH4EJ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
TKQR9K	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
TL2VKN	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
TTNF6G	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	NT
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	NT	NT	26.2,27.2	8,8	8,11
	15,19	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 4 - STR Results

TU7RET	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TULMUN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TUNCYK	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	NA
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
TVW4UZ	GlobalFiler™ (STRmix V2.4.06)					
	15.3,17.3	17,19	14,14	16,16	12,12	-
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	-	-	26.2,27.2	8,8	8,11
	15,19	10	-	-	2	
TY3Q3J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TYFL6D	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
TZEPU8	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

U3NCNK	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	17		
U6K7WL	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	NA
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	NA	NA	26,2,27,2	8,8	8,11
	15,19	10	NA	NA	2	
U9LMGP	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
U9PW2F	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
UACW2Q	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
UC7NBC	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
UCLXCP	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				

TABLE 2

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

## Item 4 - STR Results

UCRNKE	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10			2	
UDC9WQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27,2	8,8	8,11
	15,19	10	21	17		
UE69RG	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10			2	
UHXAHJ	GlobalFiler™ (STRmix)					
	15.3,16.3,17.3	17,19	13,14	15,16	11,12	
4	8,9	9,10,11,12	14,15	18,20,21	8,13	11,12
	16,17,18	14,15	30,30,2,31	15,16	X,Y	11,12
	19,20,23,24			25,2,26,2,27,2	8	8,11
	15,19	10			2	
UKE4U6	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27,2	8	8,11
	15,19	10			2	
UMGB4A	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26,2,27,2	8,8	8,11
	15,19	10				
UNZDA3	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27,2	8	8,11
	15,19	10	21	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

UPEVGE	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
UQ26ZA	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
URG86W	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
URQXRY	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
UWAF8H	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
UYE7CC	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				
UYWXGG	Investigator® 24plex (STRMix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				

TABLE 2

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

Item 4 - STR Results

V2QKTP	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
V3QE8F	Investigator® 24plex					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
V3QHJD	Investigator® 26plex QS					
	15.3,17.3	17,19	14	16	12	11
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	-	8	8,11
	15,19	10				
VCKYTL	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
VE8MZP	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
VFJANL	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
VJY2H	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

VP84ZH	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
VQJAE2	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
VQZKUL	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
VUUFL9	Verifiler Plus					
	15.3,17.3	17,19	14	16	12	11
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19				2	
VXEGT2	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
W3NZ6E	PowerPlex® Fusion, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10			2	
W4ZMW2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

W8DMQ8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	-
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	-	-	26,2,27.2	8,8	8,11
	15,19	10	-	-	2	
W8ZYMZ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26,2,27.2	8	8,11
	15,19	10			2	
W92BLU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26,2,27.2	8,8	8,11
	15,19	10	21	17		
W9DHHQ	PowerPlex® 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
WA6L67	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	17		
WB23C2	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,[13]	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
WCCRXY	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24	9,12	12	26,2,27.2	8	8,11
	15,19	10	21	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

WD6UC2	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
WENZ76	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WGUXLL	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
WJJWQP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WL4RHN	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WMACWX	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WNCUFF	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

WNLEVX	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
WNQFTN	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
WNV8WK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WPJVZ9	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
WQBXMN	PowerPlex® PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
WVTJ4F	Identifiler® Plus, MiniFiler					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
WW8WLX	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	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

WXU78D	PowerPlex® Fusion, GlobalFiler™ (GeneMapper ID-X 1.4)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10			2	
WYVB9M	GlobalFiler™ (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
WZ3CQU	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
X29UPP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
X37KE4	Investigator® 24plex QS					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
X3894V	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
X4WM2J	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	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

X9T3Y8	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
X9XHET	Investigator® 24plex QS (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
XA8V8A	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
XB9VGZ	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
XBWYAA	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
XC779W	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
XCTDYN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

XD7AUY	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
XEJHNE	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10				
XF3T46	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
XGN4KR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
XHK4BW	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
XJ6NRE	PowerPlex® Fusion 5C, MiniFiler					
	15.3,17.3	17,19	14	16	12	NA
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	NA	8	8,11
	15,19	10	NA	NA	NA	
XM8HUQ	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

XMCBT6	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
XUQJFV	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
XX6BEB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
XYLFZF	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
XZY8TW	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
Y34YJN	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Y93QJ6	PowerPlex® Fusion					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	INC				

TABLE 2

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

Y9N3GJ	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
YAFD2K	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
YAJTF7	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
YCUUZX	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
YGXGCT	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YHEL2J	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YKLV23	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

YNHPMB	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YPE9NC	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
YTQ3F3	GlobalFiler™ (STRmix 2.4)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YTWL7	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
YVWJKZ	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
Z3CKF4	PowerPlex® Fusion 5C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12		8	8,11
	15,19	10				
Z3DAN8	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	



TABLE 2

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

Item 4 - STR Results

Z489NQ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Z63RPR	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
Z76PTF	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
Z8D2BG	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ZBNRZD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZC7HNP	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZCLTCW	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4 - STR Results

ZDZ77K	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZFL48W	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	
ZGV8P2	PowerPlex® Fusion 6C, GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	Not Tested
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17	2	
ZL4TBD	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	
ZLRG4E	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	N/A
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	N/A	N/A	26.2,27.2	8,8	8,11
	15,19	10	N/A	N/A	2	
ZNK8DZ	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30.2,31	15,16	X,Y	12
	20,24	9,12	12	26.2,27.2	8	8,11
	15,19	10	21	17		
ZQN3UG	GlobalFiler™					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10			2	

TABLE 2

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

## Item 4 - STR Results

ZTLYA6	Identifiler® Plus					
		17,19		16,16	12,12	
4	8,9	10,12			8,13	12,12
	17,18	14,15	30,2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
ZVXKCD	PowerPlex® Fusion 6C (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
ZXBGBA	PowerPlex® ESX 16 Fast					
	15.3,17.3	17,19	14	16		
4		10,12	14,15	18,21		12
	17,18	14,15	30,2,31	15,16	X,Y	
	20,24				8	
	15,19					
ZZ6BFJ	PowerPlex® Fusion 6C					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24	9,12	12,12	26.2,27.2	8,8	8,11
	15,19	10	21	17		
ZZD2VH	Investigator® 24plex					
	15.3,17.3	17,19	14,14	16,16	12,12	
4	8,9	10,12	15,15	18,21	8,13	12,12
	17,18	14,15	30,2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
ZZDYAK	GlobalFiler™					
	15.3,17.3	17,19	14	16	12	
4	8,9	10,12	14,15	18,21	8,13	12
	17,18	14,15	30,2,31	15,16	X,Y	12
	20,24			26.2,27.2	8	8,11
	15,19	10			2	

TABLE 2

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

Item 4e - STR Results

7XKA2X	Identifiler® Plus					
		17,19		16,16	12,12	
4e	8,9	10,12			8,13	12,12
	17,18	14,15	30.2,31		X,Y	12,12
	20,24				8,8	8,11
	15,19					
ARL2Y2	PowerPlex® Fusion (Bulletproof)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4e	8,9	10,12	14,15	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24	9,12	12,12		8,8	8,11
	15,19	10				
MRYW4H	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4e	8,9	10,12	15*	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				
NBNUHE	Investigator® 24plex (STRmix)					
	15.3,17.3	17,19	14,14	16,16	12,12	
4e	8,9	10,12	15*	18,21	8,13	12,12
	17,18	14,15	30.2,31	15,16	X,Y	12,12
	20,24			26.2,27.2	8,8	8,11
	15,19	10				

TABLE 2

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

Item 4sp - STR Results

7XKA2X	Identifiler® Plus					
		NA		NA	NA	
4sp	NA	NA			NA	NA
	NA	NA	NA		NA	NA
	NA				NA	NA
	NA					

ARL2Y2	PowerPlex® Fusion (Bulletproof)					
4sp	[Redacted]					
	[Redacted]					

MRYW4H	Investigator® 24plex (STRmix)					
4sp	[Redacted]					
	[Redacted]					

NBNUHE	Investigator® 24plex (STRmix)					
4sp	15					
	[Redacted]					

# YSTR Amplification Kit(s) & Results

TABLE 3

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

## Item 1 - YSTR Results

36NARC	Yfiler™								
1		NR	NR,NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
							NR		NR
8PJEEJ	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
A7YCNA	Yfiler™								
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B94DBT	Yfiler™								
1		No result	No result	No result	No result	No result	No result	No result	No result
	No result	No result	No result	No result		No result	No result		No result
							No result		No result
FRKBDE	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
KLQJQU	Yfiler™								
1									
QFNZ7G	PowerPlex® Y 23								
1		-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
QJQYG9	PowerPlex® Y 23								
1		-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
V38KHY	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
V3QHJD	PowerPlex® Y 23								
1		-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
WGNX9Y	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND

TABLE 3

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

Item 1 - YSTR Results

XEZPVG	Yfiler™								
1	[REDACTED]								
XX6BEB	Yfiler™ Plus								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
ZL4TBD	Yfiler™								
1		NR	NR,NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
							NR		NR

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
224KFF	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
22KUZG	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
22TTLP	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
24CD8E	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
24UD4P	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
26Z2E9	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
29YAMP	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2CMFTF	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2D8KGQ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
2LKXTB	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2VWNHE	Yfiler™								
2	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
32KNEL	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10



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

36NARC	Yfiler™								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20		14	15		
						22		10	
3ALLXA	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15		27	
	12	12	21	17		22	12	10	
3ALUPU	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3B848B	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15		27	
	12	12	21	17		22	12	10	
3CA9E4	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
3HFXPW	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
3RFQFA	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3TUHVQ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
43QZHM	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20		14	15		
						22		10	
4AGQM3	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4D4PAH	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4DYW9J	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
4E36TP	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
4L4GR8	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4TD9EH	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
4U6C2X	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4YPWU8	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
67GUH9	Yfiler™								
2	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
6K44GK	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
6QAK89	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
76JU4U	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
7DYWKA	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
7UEYUW	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	NT	21	17	19	22	NT	10
7W6692	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
82LE6B	Yfiler™								
2	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
83B4C6	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
84TH7E	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
89C6NR	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8DVDXD	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
8ECWB3	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
8EZWUZ	Yfiler™ Plus, PowerPlex® Y 23								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	12	21	17	19	22	12	10
8G9B8K	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8LZCGM	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
8PJEEJ	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8V9RHT	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
96H74Z	Yfiler™ Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

9A6K83	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9RAXXW	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9RNFZ3	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9U4Z7C	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9VEB96	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
A2BRX2	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A34N4W	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A7YCNA	Yfiler™								
2	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
AAL4JD	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ABFT39	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
ABWWQ9	Yfiler™								
2	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
AHF4BY	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

ALCRMY	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ANKZUY	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ARL2Y2	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B7JCF7	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8BLZ8	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8HH28	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
B94DBT	Yfiler™								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
BGLNL9	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
BNXZGK	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
BTFJZ9	Yfiler™								
2	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
BUJ629	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
BZR9AV	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

C4DWDD	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
CC3PMP	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
CDFYXB	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CF4TEC	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CL4KFN	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CM7K49	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CVWWVB	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
D9MCKG	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
DFHZZE	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
DL9PXC	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
DYU7MA	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E2FW78	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

E7THAD	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
E8Y78P	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E93XRX	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E9Q6LN	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EFHYPL	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
EG6YQH	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
EPXAYR	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EUVTY6	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
F2EWM6	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F69QK7	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F6D9H6	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9DGT7	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

F9DRUX	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9MYJK	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FAA6JC	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FDPAZY	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FHEFDU	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FN4AEE	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FNTRTA	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FPZ6CW	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FQ7V2Y	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FRKBDE	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FVKBNJ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FWXZ9A	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10



TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
G27KRZ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
GDJEUX	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
GEUPMQ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
GJ9KJZ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
GLVY9B	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		
GUB6X8	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
GXBGT8	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
H8UMDC	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		
H9PXYJ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
HBNNWD	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
HCZGUZ	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
HMNTKQ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		

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

HWWEHT	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
HXNDWQ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
J4PENR	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JBQ4C4	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JD9XJJ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
JE3L3E	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
JEPJKR	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JFLRUW	Yfiler™								
2	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JLTFAJ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
JP6WVW	Yfiler™								
2	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JPAL7T	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JRTLLU	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
JUW8JT	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
JVVX3	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JXH2E8	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
JXHHQP	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
K6832B	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
K7EGYQ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
K8Z362	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
KFRHU7	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
KHF2RW	Yfiler™								
2	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
KLQJQU	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		
KMQWUL	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
KN8YT8	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		

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

KPH4Z4	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
KV2BD3	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
KWFHZJ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
KXWMNA	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
L2CKP6	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
L2EDD6	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
L944HJ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
LATWYP	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LBHXPQ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LD7CDZ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LEYTHP	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LF2B37	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

LHXAFR	Yfiler™								
2	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
LP49F3	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LTHFRM	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LTTKLD	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LTZFH7	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M3MPV7	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
M4ZZMP	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M7NQXN	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M9RLE7	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
MCUWJY	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MK2H43	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MK4JCZ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

MR7ZXM	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MRX7VE	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
MT6L3K	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MU6HVN	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MUELX2	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MWUFAR	Yfiler™								
2	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
NBNJCC	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
NBNUHE	Yfiler™								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
NC2U4U	Yfiler™								
2	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
NMY8VA	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
P7NFF3	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
PJ3GLM	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

PXK4VK	Yfiler™									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	22	10		
Q22PBK	Yfiler™									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	22	10		
Q2F8C6	PowerPlex® Y 23									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		
Q493WT	Yfiler™ Plus									
	2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27	
Q98HVU	PowerPlex® Y 23									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		
QEGE2P	Yfiler™ Plus									
	2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27	
QFNZ7G	PowerPlex® Y 23									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		
QGW6EK	PowerPlex® Y 23									
	2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		
QH2RRP	Yfiler™									
	2	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A	
QJQYG9	PowerPlex® Y 23									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		
QJU862	Yfiler™									
	2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	22	10		
QLJQRK	PowerPlex® Y 23									
	2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27	10		

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

QNTZCJ	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
QQPGZR	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
R2EU43	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
R687FZ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	-	21	17	19	22	-	10
R8B47F	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RBV9HK	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RC9LKV	Yfiler™								
2	n/a	15	15	14	32	23	10	12	15
	14	10	11	20	n/a	14	15	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	22	n/a	10
RCBA3Y	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RFLN67	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RHVNCX	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RJLUNH	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RMQDUQ	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10



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

RMRT6N	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RPWPQ7	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RPZAT2	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RUPP3G	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RY9NTH	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RYG2XD	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
T73VK8	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
TFQRNU	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
THVUED	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
TKH4EJ	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
TU7RET	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
TUNCYK	Yfiler™								
2	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10

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

TVW4UZ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	-	21	17	19	22	-	10
TY3Q3J	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
TY3TMG	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
TYFL6D	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
U6K7WL	Yfiler™								
2	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
U96ZTL	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
U9PW2F	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
UC7NBC	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
UE69RG	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
UKE4U6	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
UPEVGE	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
UWAF8H	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

UYWXGG	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
V38KHY	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22		10	
V3QHJD	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
VE8MZF	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VUUF19	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VXEGT2	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W3NZ6E	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
W92BLU	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W9DHHQ	PowerPlex® Y 23								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
WD6UC2	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WGNX9Y	Yfiler™								
2	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22		10	
WGUXLL	PowerPlex® Y 23								
2	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	

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

WJWQP	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WMACWX	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WNCUFF	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WNV8WK	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WQBXMN	Yfiler™								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WWTJ4F	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WXU78D	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
WYVB9M	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WZ3CQU	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
X29UPP	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
X3894V	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
X4WM2J	PowerPlex® Y 23								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

XBWYAA	Yfiler™ Plus									
	2	37,38	15	15,15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22			10
XCTDYN	PowerPlex® Y 23									
	2		15	15	14	32	23	10	12	15
		14	10	11	20		14	15		27
		12	12	21	17		22	12		10
XD7AUJ	PowerPlex® Y 23									
	2		15	15	14	32	23	10	12	15
		14	10	11	20		14	15		27
		12	12	21	17		22	12		10
XEZPVG	Yfiler™									
	2		15	15	14	32	23	10	12	15
		14	10	11	20		14	15		
							22			10
XF3T46	PowerPlex® Y 23									
	2		15	15	14	32	23	10	12	15
		14	10	11	20		14	15		27
		12	12	21	17		22	12		10
XGN4KR	Yfiler™									
	2		15	15	14	32	23	10	12	15
		14	10	11	20		14	15		
							22			10
XJ6NRE	Yfiler™									
	2	NA	15	15	14	32	23	10	12	15
		14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA		10
XX6BEB	Yfiler™ Plus									
	2	37,38	15	15,15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22			10
Y34YJN	Yfiler™ Plus									
	2	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22			10
YFA4UB	PowerPlex® Y 23									
	2		15	15,15	14	32	23	10	12	15
		14	10	11	20		14	15		27
		12	12	21	17		22	12		10
YGXGCT	Yfiler™ Plus									
	2	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22			10
YHEL2J	Yfiler™ Plus									
	2	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22			10

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

YK2XHG	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
YVWJKZ	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
YY6YHC	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
Z3DAN8	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZC7HNP	Yfiler™								
2		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
ZCLTCW	Yfiler™ Plus								
2	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZFL48W	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZGV8P2	Yfiler™ Plus								
2	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
ZL4TBD	Yfiler™								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
ZLRG4E	Yfiler™								
2	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
ZZD2VH	PowerPlex® Y 23								
2		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 3 - YSTR Results</b>									
224KFF	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
22KUZG	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
22TTLP	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
24CD8E	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
24UD4P	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
26Z2E9	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
27RHE4	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
29YAMP	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2CMFTF	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2D8KGQ	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
2LKXTB	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2VWNHE	Yfiler™								
3	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10

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

32KNEL	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
36NARC	Yfiler™								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
3ALLXA	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
3ALUPU	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3B848B	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
3CA9E4	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
3HFXPW	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
3RFQFA	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3TUHVQ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
43QZHM	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
4AGQM3	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4D4PAH	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10



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

4DYW9J	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4E36TP	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
4L4GR8	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4TD9EH	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
4U6C2X	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4YPWU8	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
67GUH9	Yfiler™								
3	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
6K44GK	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
6QAK89	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
76JU4U	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
7DYWKA	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
7UEYUW	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	NT	21	17	19	22	NT	10

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

7W6692	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
82LE6B	Yfiler™								
3	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
83B4C6	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
84TH7E	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
89C6NR	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8DVDXD	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
8ECWB3	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
8EZWUZ	Yfiler™ Plus, PowerPlex® Y 23								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	12	21	17	19	22	12	10
8G9B8K	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8LZCGM	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
8PJEEJ	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
8V9RHT	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

96H74Z	Yfiler™ Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9A6K83	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9RAXXW	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9RNFZ3	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9U4Z7C	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9VEB96	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
A2BRX2	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A34N4W	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A7YCNA	Yfiler™								
3	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
AAL4JD	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ABFT39	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
ABWWQ9	Yfiler™								
3	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10

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

AHF4BY	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ALCRMY	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ANKZUY	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
B7JCF7	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8BLZ8	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8HH28	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
B94DBT	Yfiler™								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
BGLNL9	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
BNXZGK	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
BTFJZ9	Yfiler™								
3	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
BZR9AV	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
C4DWDD	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

CC3PMP	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
CDFYXB	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
CF4TEC	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
CL4KFN	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
CM7K49	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
CWWVB	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
D9MCKG	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
DFHZZE	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
DL9PXC	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
DYU7MA	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
E2FW78	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
E7THAD	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	

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

E8Y78P	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E93XRX	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E9Q6LN	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EFHYPL	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
EG6YQH	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
EPXAYR	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EUVTY6	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
F2EWM6	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F69QK7	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F6D9H6	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9DGT7	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9DRUX	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

F9MYJK	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FAA6JC	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FDPAZY	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FHEFDU	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FN4AEE	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FNTRTA	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FPZ6CW	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FQ7V2Y	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FRKBDE	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FVKBNJ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FWXZ9A	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
G27KRZ	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

GDJEUX	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
GEUPMQ	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GJ9KJZ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GLVY9B	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
GRDJ2P	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15,15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GUB6X8	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GXBGT8	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
H8UMDC	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
H9PXYJ	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
HMNTKQ	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
HVWEHT	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
HXNDWQ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10



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

J4PENR	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JBQ4C4	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JD9XJJ	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JE3L3E	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JEPJKR	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JFLRUW	Yfiler™								
3	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JLTFAJ	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JP6WVW	Yfiler™								
3	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JPAL7T	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JRTLLU	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JUW8JT	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JVVX3	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

JXH2E8	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JXHHQP	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
K6832B	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
K7EGYQ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
K8Z362	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
K9FYZL	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
KFRHU7	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KHF2RW	Yfiler™								
3	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
KMQWUL	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KN8YT8	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
KPH4Z4	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KV2BD3	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

KWFHJZ	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
KXWMNA	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
L2CKP6	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
L2EDD6	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
L944HJ	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
LATWYP	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LBHXPQ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LD7CDZ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LEYTHP	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LF2B37	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LHXAFR	Yfiler™								
3	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
LP49F3	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

LTHFRM	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LTTKLD	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
LTZFH7	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M3MPV7	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
M4ZZMP	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M7NQXN	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M9RLE7	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
MCUWJY	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MK2H43	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MK4JCZ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MR7ZXM	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MRX7VE	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 3 - YSTR Results</b>									
MT6L3K	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
MU6HVN	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
MUEIX2	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
MWUFAR	Yfiler™								
3	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
NAWUG	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
NBNJCC	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
NC2U4U	Yfiler™								
3	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
NMY8VA	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
P7NFF3	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
PJ3GLM	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
PXK4VK	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		
Q22PBK	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
						22	10		

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

Q2F8C6	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
Q493WT	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
Q98HVU	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QEGE2P	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
QFNZ7G	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QGW6EK	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QH2RRP	Yfiler™								
3	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
QJQYG9	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QJU862	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22	10		
QLJQRK	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QNTZCJ	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
R2EU43	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		

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

R8B47F	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RBV9HK	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RC9LKV	Yfiler™								
3	n/a	15	15	14	32	23	10	12	15
	14	10	11	20	n/a	14	15	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	22	n/a	10
RCBA3Y	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RFLN67	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RHVNCX	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RJLUNH	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RMQDUQ	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RMRT6N	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RPWPQ7	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RPZAT2	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RUPP3G	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

RY9NTH	PowerPlex® Y 23									
	3	15	15,15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	
RYG2XD	Yfiler™ Plus									
	3	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10	
T73VK8	PowerPlex® Y 23									
	3	15	15,15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	
TFQRNU	Yfiler™ Plus									
	3	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10	
THVUED	PowerPlex® Y 23									
	3	15	15,15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	
TKH4EJ	PowerPlex® Y 23									
	3	15	15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	
TU7RET	Yfiler™ Plus									
	3	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10	
TUNCYK	Yfiler™									
	3	NA	15	15	14	32	23	10	12	15
		14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10	
TVW4UZ	Yfiler™ Plus									
	3	37,38	15	15,15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12	-	21	17	19	22	-	10	
TY3Q3J	Yfiler™ Plus									
	3	37,38	15	15	14	32	23	10	12	15
		14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10	
TY3TMG	PowerPlex® Y 23									
	3	15	15,15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	
TYFL6D	PowerPlex® Y 23									
	3	15	15	14	32	23	10	12	15	
		14	10	11	20	14	15		27	
		12	12	21	17		22	12	10	



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

U6K7WL	Yfiler™								
3	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
U96ZTL	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
U9PW2F	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
UC7NBC	Yfiler™								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
UE69RG	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
UKE4U6	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
UPEVGE	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
UQ26ZA	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
UWAF8H	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
UYWXGG	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
V38KHY	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
V3QHJD	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

VE8MZF	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VUUFL9	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VXEGT2	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W3NZ6E	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
		14	10	11	20	14	15		27
		12	12	21	17		22	12	10
W92BLU	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W9DHHQ	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
		14	10	11	20	14	15		27
		12	12	21	17		22	12	10
WB23C2	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
		14	10	11	20	14	15		27
		12	12	21	17		22	12	10
WD6UC2	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WGNX9Y	Yfiler™								
3		15	15	14	32	23	10	12	15
		14	10	11	20	14	15		
							22		10
WGUXLL	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
		14	10	11	20	14	15		27
		12	12	21	17		22	12	10
WJJWQP	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WMACWX	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

WNCUFF	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WNV8WK	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WPJVZ9	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WQBXMN	Yfiler™								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WVTJ4F	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WXU78D	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
WYVB9M	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WZ3CQU	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
X29UUP	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
X3894V	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
X4WM2J	PowerPlex® Y 23								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
XBWYAA	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

XCTDYN	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
XD7AUJ	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
XF3T46	PowerPlex® Y 23								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
XGN4KR	Yfiler™								
3	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22	10		
XJ6NRE	Yfiler™								
3	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
XX6BEB	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
Y34YJN	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
YFA4UB	PowerPlex® Y 23								
3	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
YGXGCT	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
YHEL2J	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
YK2XHG	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
YVWJKZ	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10

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

YY6YHC	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
Z3DAN8	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZC7HNP	Yfiler™								
3		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
ZCLTCW	Yfiler™ Plus								
3	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZFL48W	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ZGV8P2	Yfiler™ Plus								
3	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
ZL4TBD	Yfiler™								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
ZLRG4E	Yfiler™								
3	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
ZZD2VH	PowerPlex® Y 23								
3		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

TABLE 3

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

Item 3e - YSTR Results

7XKA2X	Yfiler™ Plus								
3e	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ARL2Y2	PowerPlex® Y 23								
3e		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
NBNUHE	Yfiler™								
3e		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10

TABLE 3

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

Item 3sp - YSTR Results

7XKA2X	Yfiler™ Plus								
3sp	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA		NA	NA	NA	NA		NA

ARL2Y2	PowerPlex® Y 23								
3sp									

NBNUHE	Yfiler™								
3sp									

TABLE 3

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

Item 4 - YSTR Results

224KFF	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
22KUZG	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
22TTLP	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
24CD8E	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
24UD4P	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
26Z2E9	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
29YAMP	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2CMFTF	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2D8KGQ	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
2LKXTB	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
2VWNHE	Yfiler™								
4	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
32KNEL	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10



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

36NARC	Yfiler™								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
3ALLXA	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
3ALUPU	Yfiler™								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3B848B	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
3CA9E4	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
3HFXPW	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
3RFQFA	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
3TUHVQ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
43QZHM	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
4AGQM3	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4D4PAH	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4DYW9J	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

4E36TP	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
4L4GR8	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4TD9EH	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
4U6C2X	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
4YPWU8	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
67GUH9	Yfiler™								
4	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
6K44GK	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
6QAK89	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
76JU4U	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
7DYWKA	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
7UEYUW	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	NT	21	17	19	22	NT	10
7W6692	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
<b>Item 4 - YSTR Results</b>										
82LE6B	Yfiler™									
4	N/A	15	15,15	14	32	23	10	12	15	
	14	10	11	20	N/A	14	15	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10	
83B4C6	PowerPlex® Y 23									
4		15	15,15	14	32	23	10	12	15	
	14	10	11	20		14	15		27	
		12	12	21	17		22	12	10	
84TH7E	Yfiler™									
4		15	15	14	32	23	10	12	15	
	14	10	11	20		14	15			
							22		10	
89C6NR	Yfiler™									
4		15	15	14	32	23	10	12	15	
	14	10	11	20		14	15			
							22		10	
8DVDXD	PowerPlex® Y 23									
4		15	15,15	14	32	23	10	12	15	
	14	10	11	20		14	15		27	
		12	12	21	17		22	12	10	
8ECWB3	PowerPlex® Y 23									
4		15	15	14	32	23	10	12	15	
	14	10	11	20		14	15		27	
		12	12	21	17		22	12	10	
8EZWUZ	Yfiler™ Plus, PowerPlex® Y 23									
4	37,38	15	15	14	32	23	10	12	15	
	14	10	11	20	27	14	15	10	27	
	37	12	12	21	17	19	22	12	10	
8G9B8K	Yfiler™									
4		15	15	14	32	23	10	12	15	
	14	10	11	20		14	15			
							22		10	
8LZCGM	Yfiler™ Plus									
4	37,38	15	15,15	14	32	23	10	12	15	
	14	10	11	20	27	14	15	10	27	
	37	12		21	17	19	22		10	
8PJEEJ	Yfiler™									
4		15	15	14	32	23	10	12	15	
	14	10	11	20		14	15			
							22		10	
8V9RHT	Yfiler™ Plus									
4	37,38	15	15	14	32	23	10	12	15	
	14	10	11	20	27	14	15	10	27	
	37	12		21	17	19	22		10	
96H74Z	Yfiler™ Yfiler™ Plus									
4	37,38	15	15,15	14	32	23	10	12	15	
	14	10	11	20	27	14	15	10	27	
	37	12		21	17	19	22		10	

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

9A6K83	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9RAXXW	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9RNFZ3	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
9U4Z7C	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
9VEB96	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
A2BRX2	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A34N4W	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
A7YCNA	Yfiler™								
4	N/A	15	15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
AAL4JD	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ABFT39	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
ABWWQ9	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
AHF4BY	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

ALCRMY	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
ANKZUY	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
B7JCF7	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8BLZ8	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
B8HH28	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
B94DBT	Yfiler™								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
BGLNL9	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
BNXZGK	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
BTFJZ9	Yfiler™								
4	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
BZR9AV	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
C4DWDD	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
CC3PMP	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

CDFYXB	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CF4TEC	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CL4KFN	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CM7K49	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
CWVWB	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
D9MCKG	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
DFHZZE	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
DL9PXC	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
DYU7MA	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E2FW78	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E7THAD	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
E8Y78P	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

E93XRX	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
E9Q6LN	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EFHYPL	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
EG6YQH	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
EPXAYR	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
EUVTY6	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
F2EWM6	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F69QK7	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F6D9H6	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9DGT7	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9DRUX	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
F9MYJK	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 4 - YSTR Results</b>									
FA38XE	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FAA6JC	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FDPAZY	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FHEFDU	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
FN4AEE	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FNTRTA	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FPZ6CW	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FQ7V2Y	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FRKBDE	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
FVKBNJ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
FWXZ9A	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
G27KRZ	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10



TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 4 - YSTR Results</b>									
GDJEUX	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
GEUPMQ	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GJ9KJZ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GLVY9B	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
GUB6X8	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
GXBGT8	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
H8UMDC	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
H9PXJY	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
HMNTKQ	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
HWWEHT	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
HXNDWQ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
J4PENR	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

JBQ4C4	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JD9XJJ	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JE3L3E	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JEPJKR	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JFLRUW	Yfiler™								
4	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JLTFAJ	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JP6WVW	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
JPAL7T	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JRTLLU	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JUW8JT	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
JVVX3	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
JXH2E8	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

JXHHQP	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
K6832B	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
K7EGYQ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
K8Z362	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
KFRHU7	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KHF2RW	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
KMQWUL	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KN8YT8	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
KPH4Z4	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KV2BD3	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KWFHJZ	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
KXWMNA	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

L2CKP6	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
L2EDD6	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
L944HJ	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
LATWYP	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LBHXPQ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LD7CDZ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LEYTHP	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LF2B37	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LHXAFR	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
LP49F3	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LTHFRM	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
LTTKLD	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		

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

LTZFH7	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M3MPV7	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
M4ZZMP	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M7NQXN	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
M9RLE7	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
MCUWJY	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MK2H43	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MK4JCZ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MR7ZXM	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
MRX7VE	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
MU6HVN	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
MUELX2	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

MWUFAR	Yfiler™								
4	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
NBNJCC	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
NC2U4U	Yfiler™								
4	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
NMY8VA	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
P7NFF3	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
PJ3GLM	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
PXK4VK	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
Q2F8C6	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
Q493WT	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
Q98HVU	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
QEGE2P	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
QFNZ7G	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

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

QG6E	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QH2RRP	Yfiler™								
4	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
QJQYG9	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QJU862	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22			10
QLJQRK	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
QNTZCJ	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
R2EU43	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
R687FZ	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	-	21	17	19	22	-	10
R8B47F	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RBV9HK	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
RC9LKV	Yfiler™								
4	n/a	15	15	14	32	23	10	12	15
	14	10	11	20	n/a	14	15	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	22	n/a	10
RCBA3Y	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		

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

RFLN67	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RHVNCX	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RJLUNH	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RMQDUQ	PowerPlex® Y 23								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RMRT6N	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RPWPQ7	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RPZAT2	Yfiler™								
4		15	15	14	32	23	10	12	15
	14	10	11	20		14	15		
							22		10
RUPP3G	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
RY9NTH	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
RYG2XD	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
T73VK8	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10
TFQRNU	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10



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

THVUED	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
TKH4EJ	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
TU7RET	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
TUNCYK	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
TY3Q3J	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
TY3TMG	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
TYFL6D	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
U6K7WL	Yfiler™								
4	NA	15	15,15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
U96ZTL	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
U9PW2F	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
UC7NBC	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22	10		
UE69RG	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 4 - YSTR Results</b>									
UKE4U6	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22			10
UPEVGE	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10
UWAF8H	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10
UYWXGG	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10
V38KHY	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22			10
V3QHJD	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10
VE8MZF	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VUUFL9	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
VXEGT2	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W3NZ6E	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10
W92BLU	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
W9DHHQ	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			27
	12	12	21	17		22	12		10

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

WB23C2	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
WD6UC2	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WGNX9Y	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
WGUXLL	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
WJJWQP	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WMACWX	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WNCUFF	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WNV8WK	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WQBXMN	Yfiler™								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WVTJ4F	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
WXU78D	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
WYVB9M	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 4 - YSTR Results</b>									
WZ3CQU	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
X29UPP	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
X3894V	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
X4WM2J	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
XBWYAA	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
XCTDYN	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
XD7AUY	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
XF3T46	PowerPlex® Y 23								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
XGN4KR	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	
XJ6NRE	Yfiler™								
4	NA	15	15	14	32	23	10	12	15
	14	10	11	20	NA	14	15	NA	NA
	NA	NA	NA	NA	NA	NA	22	NA	10
XX6BEB	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10
Y34YJN	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12		21	17	19	22		10

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

YFA4UB	PowerPlex® Y 23								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17	22	12	10		
YGXGCT	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
YHEL2J	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
YK2XHG	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
YVWJKZ	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
YY6YHC	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
Z3DAN8	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
ZC7HNP	Yfiler™								
4	15	15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22			10
ZCLTCW	Yfiler™ Plus								
4	37,38	15	15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
ZFL48W	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	21	17	19	22			10
ZGV8P2	Yfiler™ Plus								
4	37,38	15	15,15	14	32	23	10	12	15
	14	10	11	20	27	14	15	10	27
	37	12	Not Tested	21	17	19	22	Not Tested	10
ZL4TBD	Yfiler™								
4	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22			10

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

ZLRG4E	Yfiler™								
4	N/A	15	15,15	14	32	23	10	12	15
	14	10	11	20	N/A	14	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	10
ZZD2VH	PowerPlex® Y 23								
4		15	15,15	14	32	23	10	12	15
	14	10	11	20		14	15		27
		12	12	21	17		22	12	10

TABLE 3

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

Item 4e - YSTR Results

ARL2Y2	PowerPlex® Y 23								
4e	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15	27		
	12	12	21	17		22	12	10	
NBNUHE	Yfiler™								
4e	15	15,15	14	32	23	10	12	15	
	14	10	11	20	14	15			
						22		10	

TABLE 3

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

Item 4sp - YSTR Results

ARL2Y2 PowerPlex® Y 23

4sp



NBNUHE Yfiler™

4sp





# Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D6S1043	4RNAMK	12,14							
QS1	4G8XPA	Q	Q	Q			Q		
QS2	4G8XPA	S	S	S			S		
SE33	PMUCP9	17.1,28.2							

# Mitochondrial DNA - HVRI Results

TABLE 5a - ITEM 1

Polymorphisms from Reference Sequence

	16153.0	16298.0
ITEM 1		
2PHMQA	A	C
48FHLD	A	C
4AHK32	A	C
4WCKD4	A	C
8EZWUZ	A	C
9A6F27	A	C
9FT6D4	A	C
BHA8JZ	A	C
BUJ629	A	C
CNUQTT	A	C
EALKZ7	A	C
EMTTF3	A	C
ETVMPX	A	C
FBFQU6	A	C
K9UGPL	A	C
KDNU9N	A	C
KR7MXV	A	C
MLN22T	A	C
P6XMUE	A	C
PV82NG	A	C
PVMK9E	A	C
QEGE2P	A	C
QV422L	A	C
TUNCYK	A	C
UCRNKE	A	C
V3QHJD	A	C
V9CDKG	A	C
VFTYDL	A	C
WQBXMN	A	C
XJ6NRE	A	C
Z44F3C	A	C

TABLE 5a - ITEM 2  
Polymorphisms from Reference Sequence

	16069.0	16126.0	16519.0
<b>ITEM 2</b>			
2PHMQA	T	C	C
48FHLD	T	C	
4AHK32	T	C	
4WCKD4	T	C	
8EZWUZ	T	C	
9A6F27	T	C	
9FT6D4	T	C	
BHA8JZ	T	C	
BUJ629	T	C	C
CNUQTT	T	C	C
EALKZ7	T	C	C
EMTTF3	T	C	
ETVMPX	T	C	C
FBFQU6	T	C	C
K9UGPL	T	C	C
KDNU9N	T	C	
KR7MXV	T	C	
MLN22T	T	C	
P6XMUE	T	C	
PV82NG	T	C	
PVMK9E	T	C	
QEGE2P	T	C	
QV422L	T	C	C
TUNCYK	T	C	
UCRNKE	T	C	
V3QHJD	T	C	
V9CDKG	T	C	C
VFTYDL	T	C	
WQBXMN	T	C	C
XJ6NRE	T	C	
Z44F3C	T	C	

TABLE 5a - ITEM 4  
Polymorphisms from Reference Sequence

	16069.0	16126.0	16519.0
<b>ITEM 4</b>			
2PHMQA	T	C	
48FHLD	T	C	
4WCKD4	T	C	
8EZWUZ	T	C	
9A6F27	T	C	
9FT6D4	T	C	
BHA8JZ	T	C	
BUJ629	T	C	
CNUQTT	T	C	
EALKZ7	T	C	
EMTTF3	T	C	
ETVMPX	T	C	
FBFQU6	T	C	
K9UGPL	T	C	C
KDNU9N	T	C	
KR7MXV	T	C	
MLN22T	T	C	
QEGE2P	T	C	
QV422L	T	C	
TUNCYK	T	C	
UCRNKE	T	C	
V3QHJD	T	C	
V9CDKG	T	C	
VFTYDL	T	C	
WQBXMN	T	C	C
XJ6NRE	T	C	
Z44F3C	T	C	

# Mitochondrial DNA - HVRI Results

TABLE 5b

**Bases Sequenced: HVR I**

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
2PHMQA	16024-16569	16024-16569	Inconclusive	16024-16391
48FHLD	15998-16390	15998-16390	INC	15998-16390
4AHK32	15998-16400	15998-16400		
4WCKD4	15998-16390	15998-16390	Inconclusive	15998-16390
8EZWUZ	16021-16400	16021-16400		16021-16400
9A6F27	16019-16374	16019-16374		16019-16374
9FT6D4	16024-16391	16024-16391	INCONCLUSIVE	16024-16391
BHA8JZ	15998-16390	15998-16390	INC	16007-16376
BUJ629	16001-16569	15998-16569		15998-16371
CNUQTT	16024-16569	16024-16569	Inconclusive	16024-16391
EALKZ7	16001-16569	15998-16569		15998-16371
EMTTF3	16014-16387	15998-16390	INC	15998-16390
ETVMPX	16024-16569	16024-16569	Inconclusive	16024-16391
FBFQU6	16001-16569	15998-16569		16001-16380
K9UGPL	16024-16569	16024-16569	Inconclusive	16024-16569
KDNU9N	15998-16390	15998-16390	INC	16001-16382
KR7MXV	15998-16390	15998-16390	INC	15998-16390
MLN22T	15998-16390	15998-16390	Inconclusive	15998-16390
P6XMUE	15998-16400	15998-16400		
PV82NG	15998-16400	15998-16400		
PVMK9E	15998-16400	15998-16400		
QEGE2P	16019-16374	16019-16374		16019-16374
QV422L	16024-16569	16024-16569	Inconclusive	16024-16391
TUNCYK	15998-16390	16022-16390		15998-16390
UCRNKE	16024-16387	16024-16383		16024-16395
V3QHJD	16000-16390	16000-16390		16000-16390
V9CDKG	16024-16569	16024-16569	Inconclusive	16024-16391
VFTYDL	15998-16390	15998-16390	INC	16015-16369

TABLE 5b

**Bases Sequenced: HVR I**

<b>WEBCODE</b>	<b>ITEM 1</b>	<b>ITEM 2</b>	<b>ITEM 3</b>	<b>ITEM 4</b>
WQBXMN	16024-16569	16024-16569		16024-16569
XJ6NRE	15998-16390	16022-16390		15998-16390
Z44F3C	16024-16391	16024-16391	Inconclusive	16024-16391

# Mitochondrial DNA - HVRII Results

## TABLE 6a - ITEM 1

Polymorphisms from Reference Sequence

	72.0	93.0	195.0	263.0	315.1
<b>ITEM 1</b>					
2PHMQA	C	G	C	G	C ins
48FHLD	C	G	C	G	C
4AHK32	C	G	C	G	C
4WCKD4	C	G	C	G	C
8EZWUZ	C	G	C	G	C
9A6F27	C	G	C	G	C
9FT6D4	C	G	C	G	C INS
BHA8JZ	C	G	C	G	C
BUJ629	C	G	C	G	C
CNUQTT	C	G	C	G	C Ins
EALKZ7	C	G	C	G	C
EMTTF3	C	G	C	G	C
ETVMPX	C	G	C	G	C INS
FBFQU6	C	G	C	G	C
K9UGPL	C	G	C	G	C INS
KDNU9N	C	G	C	G	C
KR7MXV	C	G	C	G	C
MLN22T	C	G	C	G	C
P6XMUE	C	G	C	G	C
PV82NG	C	G	C	G	C
PVMK9E	C	G	C	G	C
QEGE2P	C	G	C	G	C
QV422L	C	G	C	G	C INS
TUNCYK	C	G	C	G	C
UCRNKE	C	G	C	G	C
V3QHJD	C	G	C	G	C
V9CDKG	C	G	C	G	C
VFTYDL	C	G	C	G	C
WQBXMN	C	G	C	G	C
XJ6NRE	C	G	C	G	C
Z44F3C	C	G	C	G	C INS

## TABLE 6a - ITEM 2

Polymorphisms from Reference Sequence

	73.0	185.0	188.0	228.0	263.0	295.0	309.1	315.1	462.0	489.0
<b>ITEM 2</b>										
2PHMQA	G	A	G	A	G	T	C ins	C ins	T	C
48FHLD	G	A	G	A	G	T	C	C		
4AHK32	G	A	G	A	G	T	C	C		
4WCKD4	G	A	G	A	G	T	C	C		
8EZWUZ	G	A	G	A	G	T	C	C		
9A6F27	G	A	G	A	G	T	C	C		
9FT6D4	G	A	G	A	G	T	C INS	C INS		
BHA8JZ	G	A	G	A	G	T	C	C		
BUJ629	G	A	G	A	G	T	C	C	T	C
CNUQTT	G	A	G	A	G	T	C Ins	C Ins	T	C
EALKZ7	G	A	G	A	G	T	C	C	T	C
EMTTF3	G	A	G	A	G	T	C	C		
ETVMPX	G	A	G	A	G	T	C INS	C INS	T	C
FBFQU6	G	A	G	A	G	T	C	C	T	C
K9UGPL	G	A	G	A	G	T	C INS	C INS	T	C
KDNU9N	G	A	G	A	G	T	C	C		
KR7MXV	G	A	G	A	G	T	C	C		
MLN22T	G	A	G	A	G	T	C	C		
P6XMUE	G	A	G	A	G	T	C	C		
PV82NG	G	A	G	A	G	T	C	C		
PVMK9E	G	A	G	A	G	T	C	C		
QEGE2P	G	A	G	A	G	T	C	C		
QV422L	G	A	G	A	G	T	C INS	C INS	T	C
TUNCYK	G	A	G	A	G	T	C	C		
UCRNKE	G	A	G	A	G	T	C	C		
V3QHJD	G	A	G	A	G	T	C	C		
V9CDKG	G	A	G	A	G	T	C INS	C INS	T	C
VFTYDL	G	A	G	A	G	T	C	C		
WQBXMN	G	A	G	A	G	T	C	C	T	C
XJ6NRE	G	A	G	A	G	T	C	C		
Z44F3C	G	A	G	A	G	T	C INS	C INS	T	



## TABLE 6a - ITEM 4

Polymorphisms from Reference Sequence

	73.0	185.0	188.0	228.0	263.0	295.0	309.1	315.1	462.0	489.0
<b>ITEM 4</b>										
2PHMQA	G	A	G	A	G	T	C ins	C ins	T	
48FHLD	G	A	G	A	G	T	C	C		
4WCKD4	G	A	G	A	G	T	C	C		
8EZWUZ	G	A	G	A	G	T	C	C		
9A6F27	G	A	G	A	G	T	C	C		
9FT6D4	G	A	G	A	G	T	C INS	C INS		
BHA8JZ	G	A	G	A	G	T	C	C		
BUJ629	G	A	G	A	G	T	C	C		
CNUQTT	G	A	G	A	G	T	C Ins	C Ins		
EALKZ7	G	A	G	A	G	T	C	C		
EMTTF3	G	A	G	A	G	T	C	C		
ETVMPX	G	A	G	A	G	T	C INS	C INS		
FBFQU6	G	A	G	A	G	T	C	C		
K9UGPL	G	A	G	A	G	T	C INS	C INS	T	C
KDNU9N	G	A	G	A	G	T	C	C		
KR7MXV	G	A	G	A	G	T	C	C		
MLN22T	G	A	G	A	G	T	C	C		
QEGE2P	G	A	G	A	G	T	C	C		
QV422L	G	A	G	A	G	T	C INS	C INS	T	
TUNCYK	G	A	G	A	G	T	C	C		
UCRNKE	G	A	G	A	G	T	C	C		
V3QHJD	G	A	G	A	G	T	C	C		
V9CDKG	G	A	G	A	G	T	C INS	C INS	T	
VFTYDL	G	A	G	A	G	T	C	C		
WQBXMN	G	A	G	A	G	T	C	C	T	C
XJ6NRE	G	A	G	A	G	T	C	C		
Z44F3C	G	A	G	A	G	T	C INS	C INS	T	

# Mitochondrial DNA - HVRII Results

TABLE 6b

**Bases Sequenced: HVR II**

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
2PHMQA	1-576	1-576	Inconclusive	35-464
48FHLD	49-407	69-393	INC	63-394
4AHK32	30-407	30-407		
4WCKD4	49-407	69-393	Inconclusive	64-394
8EZWUZ	66-390	66-390		66-390
9A6F27	61-385	61-385		61-385
9FT6D4	35-368	35-369	INCONCLUSIVE	35-369
BHA8JZ	49-407	70-393	INC	64-392
BUJ629	1-542	1-542		39-366
CNUQTT	1-576	1-576	Inconclusive	35-369
EALKZ7	1-542	1-542		39-366
EMTTF3	49-393	64-393	INC	62-393
ETVMPX	1-576	1-576	Inconclusive	35-369
FBFQU6	1-542	1-542		39-364
K9UGPL	1-561	1-545	Inconclusive	1-576
KDNU9N	49-407	64-392	INC	51-401
KR7MXV	49-407	69-393	INC	63-394
MLN22T	50-407	69-393	Inconclusive	63-394
P6XMUE	30-407	30-407		
PV82NG	30-407	30-407		
PVMK9E	30-407	30-407		
QEGE2P	61-385	61-385		61-385
QV422L	1-576	1-576	Inconclusive	35-464
TUNCYK	49-407	71-392		58-399
UCRNKE	63-379	64-380		62-380
V3QHJD	45-390	45-390		45-390
V9CDKG	1-576	1-576	Inconclusive	35-464

TABLE 6b

**Bases Sequenced: HVR II**

<b>WEBCODE</b>	<b>ITEM 1</b>	<b>ITEM 2</b>	<b>ITEM 3</b>	<b>ITEM 4</b>
VFTYDL	63-407	64-393	INC	64-393
WQBXMN	1-576	1-576		1-576
XJ6NRE	49-407	71-392		58-399
Z44F3C	35-464	35-464	Inconclusive	35-464

# 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 7

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
224KFF	Yes	No	Yes	Yes	2N8PNE	Yes	No	Yes	Yes
22KUZG	Yes	No	Yes	Yes	2PHMQA	Inc	No	Inc	Yes
22TTLP	Yes	No	Yes	Yes	2VWNHE	Yes	No	Yes	Yes
24CD8E	Yes	No	Yes	Yes	2X6M69	Yes	No	Yes	Yes
24QBEZ	Yes	No	Yes	Yes	329U8C	Yes	No	Yes	Yes
24UD4P	Yes	No	Yes	Yes	32KNEL	Yes	No	Yes	Yes
26GMP6	Yes	No	Yes	Yes	33PW3Q	Yes	No	Yes	Yes
26XR6H	Yes	No	Yes	Yes	36NARC	Yes	No	Yes	Yes
26Z2E9	Yes	No	Yes	Yes	379MVG	Yes	No	Yes	Yes
27RHE4	Yes	No	Yes	Yes	383NHJ	Yes	No	Yes	Yes
289HPK	Yes	No	Yes	Yes	3ALLXA	Yes	No	Yes	Yes
28HL2J	Yes	No	Yes	Yes	3ALUPU	Yes	No	Yes	Yes
28M2G6	Yes	No	Yes	Yes	3B848B	Yes	No	Yes	Yes
28MW73	Yes	No	Yes	Yes	3CA9E4	Yes	No	Yes	Yes
29UDY7	Yes	No	Yes	Yes	3FC7MB	Yes	No	Yes	Yes
29YAMP	Yes	No	Yes	Yes	3HFXPW	Yes	No	Yes	Yes
2CMFTF	Yes	No	Yes	Yes	3HZKCK	Yes	No	Yes	Yes
2D8KGQ	Yes	No	Yes	Yes	3JQQN6	Yes	No	Yes	Yes
2LKXTB	Yes	No	Yes	Yes	3MF77D	Yes	No	Yes	Yes
2LPKZG	Yes	No	Yes	Yes	3QLTFQ	Yes	No	Yes	Yes
2MKYVM	Yes	No	Yes	Yes	3RFQFA	Yes	No	Yes	Yes

TABLE 7

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
3TUHVQ	Yes	No	Yes	Yes	4N7GVK	Yes	No	Yes	Yes
3UQCWP	Yes	No	Yes	Yes	4PWM86	Yes	No	Yes	Yes
3UYRBW	Yes	No	Yes	Yes	4RNAMK	Yes	No	Yes	Yes
3VMWG4	Yes	No	Yes	Yes	4TD9EH	Yes	No	Yes	Yes
3XBB7D	Yes	No	Yes	Yes	4U6C2X	Yes	No	Yes	Yes
3XQMRP	Yes	No	Yes	Yes	4WCKD4	Yes	No	Yes	Yes
3YTPZM	Yes	No	Yes	Yes	4WDBRY	Yes	No	Yes	Yes
42UQ7X	Yes	No	Yes	Yes	4YPWU8	Yes	No	Yes	Yes
42VLTA	Yes	No	Yes	Yes	4ZYC9L	Yes	No	Yes	Yes
43QZHM	Yes	No	Yes	Yes	63J2WQ	Yes	No	Yes	Yes
48FHLD	Yes	No	Yes	Yes	672FM6	Yes	No	Yes	Yes
4AGQM3	Yes	No	Yes	Yes	67GUH9	No Interp	No	Yes	Yes
4AHK32	No Interp	No Interp	No Interp	No Interp	6GP4ME	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4BWA8	Yes	No	Yes	Yes	6K44GK	Yes	No	Yes	Yes
4CFA4G	Yes	No	Yes	Yes	6LGFHB	Yes	No	Yes	Yes
4D4PAH	Yes	No	Yes	Yes	6LXRZF	Yes	No	Yes	Yes
4DYW9J	Yes	No	Yes	Yes	6PUB3E	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4E36TP	Yes	No	Yes	Yes	6QAK89	Yes	No	Yes	Yes
4FLKL4	Yes	No	Yes	Yes	6TQXKG	Yes	No	Yes	Yes
4G8XPA	Yes	No	Yes	Yes	73BTUF	Yes	No	Yes	Yes
4GZ3QV	Yes	No	Yes	Yes	76EMQZ	Yes	No	Yes	Yes
4L4GR8	Yes	No	Yes	Yes	76JU4U	Yes	No	Yes	Yes
4MR6Y2	Yes	No	Yes	Yes	7DYWKA	Yes	No	Yes	Yes

TABLE 7

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
7EVBB9	Yes	No	Yes	Yes	8ECWB3	Yes	No	Yes	Yes
7FHQ7V	Yes	No	Yes	Yes	8EZWUZ	Yes	No	Yes	Yes
7KZ7V9	Yes	No	Yes	Yes	8G9B8K	Yes	No	Yes	Yes
7L93Y7	Yes	No	Yes	Yes	8GCN29	Yes	No	Yes	Yes
7LRWUE	Yes	No	Yes	Yes	8GVX7N	Yes	No	Yes	Yes
7UEYUW	Yes	No	Yes	Yes	8JWPWV	Yes	No	Yes	Yes
7W6692	Yes	No	Yes	Yes	8KGVK7	Yes	No	Yes	Yes
7WRJRD	Yes	No	Yes	Yes	8LZCGM	Yes	No	Yes	Yes
7XKA2X	Yes	No	Yes	Yes	8PJEEJ	No Interp	No Interp	Yes	Yes
7YFT4Z	Yes	No	Yes	Yes	8RTFLC	Yes	No	Yes	Yes
7YJWUB	Yes	No	Yes	Yes	8V924X	Yes	No	Yes	Yes
827TXU	Yes	No	Yes	Yes	8V9RHT	Yes	No	Yes	Yes
82LE6B	Yes	No	Yes	Yes	8W99UB	Yes	No	Yes	Yes
82MEJD	Yes	No	Yes	Yes	8YCQQZ	Yes	No	Yes	Yes
83B4C6	Yes	No	Yes	Yes	8YYLJ9	Yes	No	Yes	Yes
84TH7E	Yes	No	Yes	Yes	92FGEC	Yes	No	Yes	Yes
86MPED	Yes	No	Yes	Yes	93QMW3	Yes	No	Yes	Yes
894HGK	Yes	No	Yes	Yes	96H74Z	Yes	No	Yes	Yes
89C6NR	Yes	No	Yes	Yes	9A6F27	Yes	No	Yes	Yes
8B3B3W	Yes	No	Yes	Yes	9A6K83	Yes	No	Yes	Yes
8BP4A8	Yes	No	Yes	Yes	9D6TQ6	Yes	No	Yes	Yes
8DVDXD	Yes	No	Yes	Yes	9FACPC	Yes	No	Yes	Yes
8E3VUM	Yes	No	Yes	Yes	9FT6D4	Inc	No	Inc	Yes

TABLE 7

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
9FY6LP	No Interpretations Reported, DNA Analyzed for Database purposes only.				AAL4JD	Yes	No	Yes	Yes
9JYK8E	Yes	No	Yes	Yes	AANPFT	Yes	No	Yes	Yes
9NLHC3	Yes	No	Yes	Yes	ABCUNJ	Yes	No	Yes	Yes
9NLJ9M	Yes	No	Yes	Yes	ABFT39	Yes	No	Yes	Yes
9P4FY2	Yes	No	Yes	Yes	ABWWQ9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
9RAXXW	Yes	No	Yes	Yes	AGQRT7	Yes	No	Yes	Yes
9RNFZ3	Yes	No	Yes	Yes	AGXEKQ	Yes	No	Yes	Yes
9U4Z7C	Yes	No	Yes	Yes	AHEFWT	Yes	No	Yes	Yes
9UFXCG	Yes	No	Yes	Yes	AHF4BY	Yes	No	Yes	Yes
9V8EAQ	Yes	No	Yes	Yes	ALCRMY	Yes	No	Yes	Yes
9VALUC	Yes	No	Yes	Yes	ANKZUY	Yes	No	Yes	Yes
9VEB96	Yes	No	Yes	Yes	AQ922D	Yes	No	Yes	Yes
9WJ4PW	Yes	No	Yes	Yes	AQ9G7R	Yes	No	Yes	Yes
9XEPB2	Yes	No	Yes	Yes	ARL2Y2	Yes	No	Yes	Yes
9XXZG2	Yes	No	Yes	Yes	ATV6VY	Yes	No	Yes	Yes
9YEL46	Yes	No	Yes	Yes	AUD2B6	No Interp	No Interp	No Interp	No Interp
A2BRX2	Yes	No	Yes	Yes	B2NPKX	Yes	No	Yes	Yes
A34N4W	Yes	No	Yes	Yes	B7JCF7	Yes	No	Yes	Yes
A3MBYX	Yes	No	Yes	Yes	B8BLZ8	Yes	No	Yes	Yes
A7YCNA	Yes	No	Yes	Yes	B8HH28	Yes	No	Yes	Yes
A8HNQU	Yes	No	Yes	Yes	B94DBT	Yes	No	Yes	Yes
A9QFBP	Yes	No	Yes	Yes	BBULAV	Yes	No	Yes	Yes
A9UZF7	No Interp	No Interp	No Interp	No Interp	BDNUU4	Yes	No	Yes	Yes

TABLE 7

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
BEAX9X	Yes	No	Yes	Yes	CDQR4R	Yes	No	Yes	Yes
BGDX6N	Yes	No	Yes	Yes	CETN49	Yes	No	Yes	Yes
BGLNL9	Yes	No	Yes	Yes	CF4TEC	Yes	No	Yes	Yes
BHA8JZ	No Interp	No	No Interp	Yes	CHBHT2	Yes	No	Yes	Yes
BMLA6V	Yes	No	Yes	Yes	CJRH7Y	Yes	No	Yes	Yes
BNXZGK	Yes	No	Yes	Yes	CK3EFA	Yes	No	Yes	Yes
BQ69RQ	Yes	No	Yes	Yes	CK8C6J	Yes	No	Yes	Yes
BR8ECC	Yes	No	Yes	Yes	CL4KFN	Yes	No	Yes	Yes
BTFJZ9	Yes	No	Yes	Yes	CM7K49	Yes	No	Yes	Yes
BU8864	No Interp	No Interp	No Interp	No Interp	CMEM6T	Yes	No	Yes	Yes
BUJ629	No Interp	No	No Interp	Yes	CNUQTT	Inc	No	Inc	Yes
BWEAB9	Yes	No	Yes	Yes	CPQR4W	Yes	No	Yes	Yes
BY8NVX	Yes	No	Yes	Yes	CWWVB	Yes	No	Yes	Yes
BYWUHW	Yes	No	Yes	Yes	D3GJQL	Yes	No	Yes	Yes
BZR9AV	Yes	No	Yes	Yes	D7F66V	Yes	No	Yes	Yes
C269WH	Yes	No	Yes	Yes	D7GUJZ	Yes	No	Yes	Yes
C3KDK8	Yes	No	Yes	Yes	D9MCKG	Yes	No	Yes	Yes
C493DY	Yes	No	Yes	Yes	DC3EF9	Yes	No	Yes	Yes
C4DWDD	Yes	No	Yes	Yes	DFHZZE	Yes	No	Yes	Yes
C6LVP8	Yes	No	Yes	Yes	DFUJXQ	Yes	No	Yes	Yes
CC3PMP	Yes	No	Yes	Yes	DHBMXX	Yes	No	Yes	Yes
CCK3AV	Yes	No	Yes	Yes	DHK4KA	Yes	No	Yes	Yes
CDFYXB	Yes	No	Yes	Yes	DJMQ3	Yes	No	Yes	Yes



TABLE 7

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
DL9PXC	Yes	No	Yes	Yes	EKTDFR	Yes	No	Yes	Yes
DQVAER	Yes	No	Yes	Yes	EL8NMX	Yes	No	Yes	Yes
DQZHRL	Yes	No	Yes	Yes	EMML7F	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DTQRRE	Yes	No	Yes	Yes	EMTTF3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DX7JG2	Yes	No	Yes	Yes	EPXAYR	Yes	No	Yes	Yes
DYU7MA	Yes	No	Yes	Yes	ERV29Y	Yes	No	Yes	Yes
E2FW78	Yes	No	Yes	Yes	ETVMPX	Inc	No	Inc	Yes
E4LTVN	Yes	No	Yes	Yes	EUV8PP	No Interpretations Reported, DNA Analyzed for Database purposes only.			
E7LG7X	Yes	No	Yes	Yes	EUVTY6	Yes	No	Yes	Yes
E7THAD	Yes	No	Yes	Yes	EUY6C2	Yes	No	Yes	Yes
E8Y78P	Yes	No	Yes	Yes	EWFMV7	Yes	No	Yes	Yes
E93XRX	Yes	No	Yes	Yes	EWGJ3V	Yes	No	Yes	Yes
E9BUVV	Yes	No	Yes	Yes	EZDDVP	Yes	No	Yes	Yes
E9Q6LN	Yes	No	Yes	Yes	F2EWM6	Yes	No	Yes	Yes
E9UQ8V	Yes	No	Yes	Yes	F2VTBX	Yes	No	Yes	Yes
EALKZ7	No Interp	No	No Interp	Yes	F69QK7	Yes	No	Yes	Yes
ECE46J	Yes	No	Yes	Yes	F6D9H6	Yes	No	Yes	Yes
EEK6W3	No Interp	No Interp	No Interp	No Interp	F6GLGY	Yes	No	Yes	Yes
EFFAKP	Yes	No	Yes	Yes	F7KUB7	Yes	No	Yes	Yes
EFHYPL	Yes	No	Yes	Yes	F9DGT7	Yes	No	Yes	Yes
EG6YQH	Yes	No	Yes	Yes	F9DRUX	No Interp	No Interp	Yes	Yes
EGNPXG	Yes	No	Yes	Yes	F9MYJK	Yes	No	Yes	Yes
EKAHXQ	Yes	No	Yes	Yes	FA38XE	Yes	No	Yes	Yes

TABLE 7

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
FAA6JC	Yes	No	Yes	Yes	GDJEUX	Yes	No	Yes	Yes
FBFQU6	No Interp	No	No Interp	Yes	GEFN7N	Yes	No	Yes	Yes
FDPAZY	Yes	No	Yes	Yes	GEUPMQ	Yes	No	Yes	Yes
FFU6W4	No Interp	No Interp	No Interp	No Interp	GHUYV7	Yes	No	Yes	Yes
FGM8DR	Yes	No	Yes	Yes	GJ9KJZ	Yes	No	Yes	Yes
FHEFDU	Yes	No	Yes	Yes	GJTGAZ	Yes	No	Yes	Yes
FKMCDQ	Yes	No	Yes	Yes	GLVY9B	Yes	No	Yes	Yes
FLVMQW	Yes	No	Yes	Yes	GRDJ2P	Yes	No	Yes	Yes
FN4AEE	Yes	No	Yes	Yes	GTE8RZ	Yes	No	Yes	Yes
FNTRTA	Yes	No	Yes	Yes	GUB6X8	Yes	No	Yes	Yes
FP2AJT	Yes	No	Yes	Yes	GXBGT8	Yes	No	Yes	Yes
FPZ6CW	Yes	No	Yes	Yes	GYH9TV	Yes	No	Yes	Yes
FQ7V2Y	Yes	No	Yes	Yes	H8UMDC	Yes	No	Yes	Yes
FRKBDE	No Interp	No Interp	Yes	Yes	H98QT2	Yes	No	Yes	Yes
FVKBNJ	Yes	No	Yes	Yes	H9PXYJ	Yes	No	Yes	Yes
FWGQDN	Yes	No	Yes	Yes	HB9FYB	Yes	No	Yes	Yes
FWXZ9A	Yes	No	Yes	Yes	HBNNWD	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FY2R8A	Yes	No	Yes	Yes	HCHE3R	Yes	No	Yes	Yes
G27KRZ	Yes	No	Yes	Yes	HCZGUZ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
G3DX3M	Yes	No	Yes	Yes	HGEJ6G	Yes	No	Yes	Yes
G6QLMM	Yes	No	Yes	Yes	HKJNQX	No Interp	No Interp	No Interp	No Interp
G8RQY8	Yes	No	Yes	Yes	HKWDWV	Yes	No	Yes	Yes
G8RTK6	Yes	No	Yes	Yes	HLUW8P	Yes	No	Yes	Yes

TABLE 7

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
HMNTKQ	Yes	No	Yes	Yes	JP6WFV	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HWWEHT	Yes	No	Yes	Yes	JPAL7T	Yes	No	Yes	Yes
HXMYAD	Yes	No	Yes	Yes	JQHZZDY	Yes	No	Yes	Yes
HXNDWQ	Yes	No	Yes	Yes	JRTLLU	Yes	No	Yes	Yes
J2LBMA	Yes	No	Yes	Yes	JUCMH2	Yes	No	Yes	Yes
J4MP43	Yes	No	Yes	Yes	JUW8JT	Yes	No	Yes	Yes
J4PENR	Yes	No	Yes	Yes	JVVX3	Yes	No	Yes	Yes
JABWR8	Yes	No	Yes	Yes	JWKL7G	No Interp	No Interp	No Interp	No Interp
JBQ4C4	Yes	No	Yes	Yes	JXH2E8	Yes	No	Yes	Yes
JD9XJJ	Yes	No	Yes	Yes	JXHHQP	Yes	No	Yes	Yes
JDFYR6	Yes	No	Yes	Yes	K28R6B	Yes	No	Yes	Yes
JDYD7L	Yes	No	Yes	Yes	K2VYJA	Yes	No	Yes	Yes
JE3L3E	Yes	No	Yes	Yes	K4NBKL	Yes	No	Yes	Yes
JEKU6F	Yes	No	Yes	Yes	K6832B	Yes	No	Yes	Yes
JEPJKR	No Interp	No Interp	Yes	Yes	K7EGYQ	No Interp	No Interp	Yes	Yes
JEQE4X	Yes	No	Yes	Yes	K7R724	Yes	No	Yes	Yes
JFLRUW	Yes	No	Yes	Yes	K8Z362	Yes	No	Yes	Yes
JGU6EJ	Yes	No	Yes	Yes	K9AYNK	Yes	No	Yes	Yes
JH4QQK	No Interp	No Interp	No Interp	No Interp	K9FYZL	Yes	No	Yes	Yes
JJ27YB	Yes	No	Yes	Yes	K9UGPL	Inc	No	Inc	Yes
JKFR87	Yes	No	Yes	Yes	KABMEB	Yes	No	Yes	Yes
JLTFAJ	Yes	No	Yes	Yes	KCGNHZ	Yes	No	Yes	Yes
JLZFXR	Yes	No	Yes	Yes	KDNU9N	No Interp	No	No Interp	Yes

TABLE 7

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
KEWTLH	Yes	No	Yes	Yes	L2FDQ6	Yes	No	Yes	Yes
KFRHU7	Yes	No	Yes	Yes	L6UBW7	Yes	No	Yes	Yes
KGDBBN	Yes	No	Yes	Yes	L944HJ	Yes	No	Yes	Yes
KGTWYR	Yes	No	Yes	Yes	LA8XNP	Yes	No	Yes	Yes
KHF2RW	No Interpretations Reported, DNA Analyzed for Database purposes only.				LATWYP	Yes	No	Yes	Yes
KKBPYD	Yes	No	Yes	Yes	LBHXPQ	Yes	No	Yes	Yes
KL3HK4	Yes	No	Yes	Yes	LD7CDZ	Yes	No	Yes	Yes
KL6DG9	Yes	No	Yes	Yes	LEYTHP	Yes	No	Yes	Yes
KLQJQU	No Interpretations Reported, DNA Analyzed for Database purposes only.				LF2B37	Yes	No	Yes	Yes
KMQWUL	Yes	No	Yes	Yes	LG4HLX	Yes	No	Yes	Yes
KMX36G	Yes	No	Yes	Yes	LHXAFR	No Interp	No	Yes	Yes
KN8YT8	Yes	No	Yes	Yes	LHXZVM	Yes	No	Yes	Yes
KNAJKG	Yes	No	Yes	Yes	LLG7GN	Yes	No	Yes	Yes
KPH4Z4	Yes	No	Yes	Yes	LMYHB9	Yes	No	Yes	Yes
KQBUAP	Yes	No	Yes	Yes	LNH89K	Yes	No	Yes	Yes
KR7MXV	No Interp	No	No Interp	Yes	LP49F3	Yes	No	Yes	Yes
KUH2ZW	Yes	No	Yes	Yes	LPFLNQ	Yes	No	Yes	Yes
KV2BD3	Yes	No	Yes	Yes	LPQRLM	Yes	No	Yes	Yes
KWERQF	Yes	No	Yes	Yes	LR4ZAF	Yes	No	Yes	Yes
KWFHJZ	Yes	No	Yes	Yes	LR7B4H	Yes	No	Yes	Yes
KXWMNA	Yes	No	Yes	Yes	LRL8FX	Yes	No	Yes	Yes
L2CKP6	Yes	No	Yes	Yes	LTHFRM	Yes	No	Yes	Yes
L2EDD6	Yes	No	Yes	Yes	LTTKLD	Yes	No	Yes	Yes

TABLE 7

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
LTZFH7	Yes	No	Yes	Yes	MLU9EM	Yes	No	Yes	Yes
LVNU8F	Yes	No	Yes	Yes	MM7GK8	Yes	No	Yes	Yes
LWXVCM	Yes	No	Yes	Yes	MR7ZXM	Yes	No	Yes	Yes
LZHW7A	Yes	No	Yes	Yes	MRX7VE	Yes	No	Yes	Yes
M27PJ4	Yes	No	Yes	Yes	MRYW4H	Yes	No	Yes	Yes
M3E2WY	Yes	No	Yes	Yes	MT6L3K	Yes	No	Yes	Yes
M3MPV7	Yes	No	Yes	Yes	MU6HVN	Yes	No	Yes	Yes
M4RH67	Yes	No	Yes	Yes	MUELX2	Yes	No	Yes	Yes
M4ZZMP	Yes	No	Yes	Yes	MV2ZVU	Yes	No	Yes	Yes
M688YP	Yes	No	Yes	Yes	MW37NQ	Yes	No	Yes	Yes
M7NQXN	Yes	No	Yes	Yes	MWUFAR	Yes	No	Yes	Yes
M99UD9	Yes	No	Yes	Yes	N2ZUD3	Yes	No	Yes	Yes
M9RLE7	Yes	No	Yes	Yes	N4VR6N	Yes	No	Yes	Yes
MBW92J	Yes	No	Yes	Yes	N96K3N	Yes	No	Yes	Yes
MCUWJY	Yes	No	Yes	Yes	NAWUG	Yes	No	Yes	Yes
MFBWN2	Yes	No	Yes	Yes	NBNJCC	Yes	No	Yes	Yes
MG2793	Yes	No	Yes	Yes	NBNUHE	Yes	No	Yes	Yes
MG6MRU	Yes	No	Yes	Yes	NC2U4U	Yes	No	Yes	Yes
MGGGAF	Yes	No	Yes	Yes	NDJBCP	Yes	No	Yes	Yes
MHUXHM	Yes	No	Yes	Yes	NE8T8V	Yes	No	Yes	Yes
MK2H43	Yes	No	Yes	Yes	NHMEPG	Yes	No	Yes	Yes
MK4JCZ	Yes	No	Yes	Yes	NLDQBM	Yes	No	Yes	Yes
MLN22T	Yes	No	Yes	Yes	NMY8VA	Yes	No	Yes	Yes

TABLE 7

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
NNJ9B4	Yes	No	Yes	Yes	PP4L7Q	Yes	No	Yes	Yes
NQ7V4Q	Yes	No	Yes	Yes	PP86BG	Yes	No	Yes	Yes
NQKZ2A	Yes	No	Yes	Yes	PQTYQ4	Yes	No	Yes	Yes
NRFC6P	Yes	No	Yes	Yes	PTA6BE	Yes	No	Yes	Yes
NT7MUX	Yes	No	Yes	Yes	PV82NG	No Interp	No Interp	No Interp	No Interp
NTPFNF	Yes	No	Yes	Yes	PVMK9E	No Interp	No Interp	No Interp	No Interp
NVJJRU	Yes	No	Yes	Yes	PXK4VK	Yes	No	Yes	Yes
NVTFEE	Yes	No	Yes	Yes	PZY99B	Yes	No	Yes	Yes
NVX2HT	Yes	No	Yes	Yes	Q22PBK	Yes	No	Yes	Yes
NZFPAZ	Yes	No	Yes	Yes	Q2F8C6	Yes	No	Yes	Yes
P2B966	Yes	No	Yes	Yes	Q493WT	Yes	No	Yes	Yes
P3NRXE	Yes	No	Yes	Yes	Q4KFZB	Yes	No	Yes	Yes
P4A7YY	Yes	No	Yes	Yes	Q8K7MV	Yes	No	Yes	Yes
P6XMUE	No Interp	No Interp	No Interp	No Interp	Q98HVV	Yes	No	Yes	Yes
P7NFF3	Yes	No	Yes	Yes	Q9CNK6	Yes	No	Yes	Yes
P88QKA	Yes	No	Yes	Yes	Q9F9CE	Yes	No	Yes	Yes
PAQTJ3	Yes	No	Yes	Yes	QDLZ7J	Yes	No	Yes	Yes
PBQAX7	Yes	No	Yes	Yes	QDWUJK	Yes	No	Yes	Yes
PF2UUX	Yes	No	Yes	Yes	QEGE2P	Yes	No	Yes	Yes
PJ3GLM	Yes	No	Yes	Yes	QFDV9K	Yes	No	Yes	Yes
PKZJKY	Yes	No	Yes	Yes	QFNZ7G	Yes	No	Yes	Yes
PMUCP9	Yes	No	Yes	Yes	QGPKMQ	Yes	No	Yes	Yes
PN9R6V	Yes	No	Yes	Yes	QGW6EK	Yes	No	Yes	Yes

TABLE 7

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
QH2RRP	Yes	No	Yes	Yes	R6E6Y3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QHYVUU	No Interpretations Reported, DNA Analyzed for Database purposes only.				R8B47F	Yes	No	Yes	Yes
QJPUBD	Yes	No	Yes	Yes	R8H6AV	Yes	No	Yes	Yes
QJQYG9	Yes	No	Yes	Yes	R9A9VB	Yes	No	Yes	Yes
QJU862	Yes	No	Yes	Yes	RBV9HK	Yes	No	Yes	Yes
QL2PW6	Yes	No	Yes	Yes	RC8LMG	Yes	No	Yes	Yes
QLJQRK	Yes	No	Yes	Yes	RC9LKV	Yes	No	Yes	Yes
QME6JJ	Yes	No	Yes	Yes	RCBA3Y	Yes	No	Yes	Yes
QNTZCJ	Yes	No	Yes	Yes	RCBZX2	Yes	No	Yes	Yes
QPJ7QN	Yes	No	Yes	Yes	RFLN67	Yes	No	Yes	Yes
QQPGZR	No Interpretations Reported, DNA Analyzed for Database purposes only.				RFRNF8	Yes	No	Yes	Yes
QTZ7J4	Yes	No	Yes	Yes	RH3J9Q	No Interp	No Interp	No Interp	No Interp
QUCQH7	Yes	No	Yes	Yes	RHEEEQ	No Interpretations Reported, DNA Analyzed for Database purposes only.			
QV422L	Inc	No	Inc	Yes	RHVFF8	Yes	No	Yes	Yes
QV7QKB	Yes	No	Yes	Yes	RHVNCX	Yes	No	Yes	Yes
QY9L9K	Yes	No	Yes	Yes	RJLUNH	Yes	No	Yes	Yes
QYBJWF	Yes	No	Yes	Yes	RKWFL	Yes	No	Yes	Yes
QZXWYD	Yes	No	Yes	Yes	RMQDUQ	Yes	No	Yes	Yes
QZZL4A	Yes	No	Yes	Yes	RMRT6N	No Interp	No Interp	Yes	Yes
R2EU43	Yes	No	Yes	Yes	RNYWVZ	Yes	No	Yes	Yes
R36J9B	Yes	No	Yes	Yes	RPWPQ7	Yes	No	Yes	Yes
R4FLUA	Yes	No	Yes	Yes	RPZAT2	Yes	No	Yes	Yes
R687FZ	Yes	No	Yes	Yes	RRR3TR	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 7

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
RT2TUL	Yes	No	Yes	Yes	TUNCYK	No Interp	No	Yes	Yes
RUPP3G	Yes	No	Yes	Yes	TW4UZ	Yes	No	Yes	Yes
RY9NTH	No Interp	No Interp	Yes	Yes	TY3Q3J	Yes	No	Yes	Yes
RYG2XD	No Interp	No Interp	Yes	Yes	TY3TMG	No Interp	No Interp	Yes	Yes
RZBTXQ	Yes	No	Yes	Yes	TYFL6D	Yes	No	Yes	Yes
RZX2CZ	Yes	No	Yes	Yes	TZEPU8	Yes	No	Yes	Yes
T4ZRHL	Yes	No	Yes	Yes	U3NCNK	Yes	No	Yes	Yes
T67TTD	Yes	No	Yes	Yes	U6K7WL	Yes	No	Yes	Yes
T73VK8	Yes	No	Yes	Yes	U96ZTL	No Interp	No Interp	Yes	Yes
T8Z7HV	Yes	No	Yes	Yes	U9LMGP	Yes	No	Yes	Yes
T9828N	Yes	No	Yes	Yes	U9PW2F	Yes	No	Yes	Yes
TAWDNF	Yes	No	Yes	Yes	UACW2Q	Yes	No	Yes	Yes
TDYBCF	Yes	No	Yes	Yes	UC7NBC	Yes	No	Yes	Yes
TFQRNU	Yes	No	Yes	Yes	UCLXCP	Yes	No	Yes	Yes
TFTL3U	Yes	No	Yes	Yes	UCRNKE	No Interp	No	No Interp	Yes
THVUED	No Interp	No Interp	Yes	Yes	UDC9WQ	Yes	No	Yes	Yes
THXJMG	Yes	No	Yes	Yes	UE69RG	Yes	No	Yes	Yes
TKH4EJ	Yes	No	Yes	Yes	UHXAHJ	Yes	No	Yes	Yes
TKQR9K	Yes	No	Yes	Yes	UKE4U6	Yes	No	Yes	Yes
TL2VKN	Yes	No	Yes	Yes	UMGB4A	Yes	No	Yes	Yes
TTNF6G	Yes	No	Yes	Yes	UNZDA3	Yes	No	Yes	Yes
TU7RET	Yes	No	Yes	Yes	UPEVGE	Yes	No	Yes	Yes
TULMUN	Yes	No	Yes	Yes	UQ26ZA	Yes	No	Yes	Yes



TABLE 7

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
URG86W	Yes	No	Yes	Yes	W8DMQ8	Yes	No	Yes	Yes
URQXRY	Yes	No	Yes	Yes	W8ZYMZ	Yes	No	Yes	Yes
UWAF8H	Yes	No	Yes	Yes	W92BLU	Yes	No	Yes	Yes
UYE7CC	Yes	No	Yes	Yes	W9DHHQ	Yes	No	Yes	Yes
UYWXGG	Yes	No	Yes	Yes	WA6L67	Yes	No	Yes	Yes
V2QKTP	Yes	No	Yes	Yes	WB23C2	Yes	No	Yes	Yes
V38KHY	No Interp	No Interp	Yes	Yes	WCCRXY	Yes	No	Yes	Yes
V3QE8F	Yes	No	Yes	Yes	WD6UC2	Yes	No	Yes	Yes
V3QHJD	Yes	No	Yes	Yes	WE6MQM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
V9CDKG	No Interp	No	No Interp	Yes	WENZ76	Yes	No	Yes	Yes
VCKYTL	Yes	No	Yes	Yes	WGNX9Y	No Interp	No Interp	Yes	Yes
VE8MZF	Yes	No	Yes	Yes	WGUXLL	Yes	No	Yes	Yes
VFJANL	Yes	No	Yes	Yes	WJJWQP	Yes	No	Yes	Yes
VFTYDL	No Interp	No	No Interp	Yes	WL4RHN	Yes	No	Yes	Yes
VJY2H	Yes	No	Yes	Yes	WMACWX	Yes	No	Yes	Yes
VP84ZH	Yes	No	Yes	Yes	WNCUFF	Yes	No	Yes	Yes
VQJAE2	Yes	No	Yes	Yes	WNLEVX	Yes	No	Yes	Yes
VQZKUL	Yes	No	Yes	Yes	WNQFTN	Yes	No	Yes	Yes
VUUFL9	Yes	No	Yes	Yes	WNV8WK	Yes	No	Yes	Yes
VX7KP3	No Interpretations Reported, DNA Analyzed for Database purposes only.				WPJVZ9	Yes	No	Yes	Yes
VXEGT2	Yes	No	Yes	Yes	WQBXMN	Yes	No	Yes	Yes
W3NZ6E	Yes	No	Yes	Yes	WVTJ4F	Yes	No	Yes	Yes
W4ZMW2	Yes	No	Yes	Yes	WW8WLX	Yes	No	Yes	Yes

TABLE 7

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
WXU78D	Yes	No	Yes	Yes	XMCBT6	Yes	No	Yes	Yes
WYVB9M	Yes	No	Yes	Yes	XUQJFV	Yes	No	Yes	Yes
WZ3CQU	Yes	No	Yes	Yes	XX6BEB	Yes	No	Yes	Yes
WZPNLL	No Interpretations Reported, DNA Analyzed for Database purposes only.				XYLFZF	Yes	No	Yes	Yes
X29UPP	Yes	No	Yes	Yes	XZJUFK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
X37KE4	Yes	No	Yes	Yes	XZY8TW	Yes	No	Yes	Yes
X3894V	Yes	No	Yes	Yes	Y34YJN	Yes	No	Yes	Yes
X4WM2J	Yes	No	Yes	Yes	Y93QJ6	Yes	No	Yes	Yes
X9T3Y8	Yes	No	Yes	Yes	Y9N3GJ	Yes	No	Yes	Yes
X9XHET	Yes	No	Yes	Yes	YAFD2K	Yes	No	Yes	Yes
XA8V8A	Yes	No	Yes	Yes	YAJTF7	No Interp	No Interp	No Interp	No Interp
XB9VGZ	Yes	No	Yes	Yes	YCUUZS	Yes	No	Yes	Yes
XBWYAA	Yes	No	Yes	Yes	YFA4UB	No Interp	No Interp	Yes	Yes
XC779W	Yes	No	Yes	Yes	YGXGCT	Yes	No	Yes	Yes
XCTDYN	Yes	No	Yes	Yes	YHEL2J	Yes	No	Yes	Yes
XD7AUY	Yes	No	Yes	Yes	YK2XHG	No Interp	No Interp	Yes	Yes
XEJHNE	Yes	No	Yes	Yes	YKLV23	Yes	No	Yes	Yes
XEZPVG	No Interpretations Reported, DNA Analyzed for Database purposes only.				YNHPMB	Yes	No	Yes	Yes
XF3T46	Yes	No	Yes	Yes	YPE9NC	Yes	No	Yes	Yes
XGN4KR	Yes	No	Yes	Yes	YTQ3F3	Yes	No	Yes	Yes
XHK4BW	Yes	No	Yes	Yes	YTWT7	Yes	No	Yes	Yes
XJ6NRE	No Interpretations Reported, DNA Analyzed for Database purposes only.				YVWJKZ	Yes	No	Yes	Yes
XM8HUQ	Yes	No	Yes	Yes	YY6YHC	No Interp	No Interp	Yes	Yes

TABLE 7

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
Z3CKF4	Yes	No	Yes	Yes					
Z3DAN8	Yes	No	Yes	Yes					
Z44F3C	Inc	No	Inc	Yes					
Z489NQ	Yes	No	Yes	Yes					
Z63RPR	Yes	No	Yes	Yes					
Z76PTF	Yes	No	Yes	Yes					
Z8D2BG	Yes	No	Yes	Yes					
ZBNRZD	Yes	No	Yes	Yes					
ZC7HNP	Yes	No	Yes	Yes					
ZCLTCW	Yes	No	Yes	Yes					
ZDZ77K	Yes	No	Yes	Yes					
ZFL48W	Yes	No	Yes	Yes					
ZGV8P2	Yes	No	Yes	Yes					
ZL4TBD	Yes	No	Yes	Yes					
ZLRG4E	Yes	No	Yes	Yes					
ZNK8DZ	Yes	No	Yes	Yes					
ZQN3UG	Yes	No	Yes	Yes					
ZTLYA6	Yes	No	Yes	Yes					
ZVXKCD	Yes	No	Yes	Yes					
ZXBGBA	Yes	No	Yes	Yes					
ZZ6BFJ	Yes	No	Yes	Yes					
ZZD2VH	Yes	No	Yes	Yes					
ZZDYAK	Yes	No	Yes	Yes					

<b>DNA Interpretation</b>				
<b>Response Summary</b>	<b>Participants reporting DNA results: 709</b>			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 &amp; 4)?</i>				
	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	<b>637</b>	<b>0</b>	<b>656</b>	<b>672</b>
No	<b>0</b>	<b>656</b>	<b>0</b>	<b>0</b>
Inc	<b>7</b>	<b>0</b>	<b>7</b>	<b>0</b>
No Interpretation	<b>42</b>	<b>30</b>	<b>23</b>	<b>14</b>
No Response	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Participants analyzing DNA for database purposes only: 23

# Additional Comments

## TABLE 8

WebCode	Additional Comments
24CD8E	for item #3 - peaks had a significantly lower rfu value at TH01, drop out is unlikely, but a possibility, no other issues with other loci
24UD4P	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
26GMP6	As per [Laboratory] interpretation policies the DYS391 locus in the Fusion kit will be reported as INC. Any labeled peaks seen in samples FBPT22-00066_3_1.2_pshts1_BL and FBPT22-00066_4_1.2_wptss1_BL that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
28HL2J	Reporting with stutter filters on
28MW73	Male Screening was performed on items 3 and 4 using the Plexor HY quantification kit.
29UDY7	Reporting with stutter filters on.
29YAMP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
2CMFTF	Item 3 - D2S1338 is not suitable for mixture statistics due to allele (21) being under interpretational threshold.
2GA4E7	Team approach used. Male screening processing and interpretation only.
2LPKZG	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that maybe have been given weight during the development of the genotype probability distribution table. This analyst was not proficient in serology at this time. Thus, all evidence proficiency samples were extracted on the Hamilton extraction platform.
2MKYVM	Items 1 and 3 were also amplified using MiniFiler. The GlobalFiler and MiniFiler results were concordant.
2PHMQA	Item 3 is reported as inconclusive due to the presence of multiple sequences. This laboratory does not interpret mixtures for mtDNA.
2VWNHE	NA= Not applicable
33PW3Q	Reporting STRmix results with stutter filters on
36NARC	NR = No Result
379MVG	This analyst was not proficient in serology at this time. Screening tests were not performed. All evidence proficiency samples were extracted with the non-differential method.
3B848B	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.

TABLE 8

WebCode	Additional Comments
3HFXPW	The results for Items 1 and 3 were reported as inconclusive for the SE33 locus because of the following non-concordance in the genotypes obtained with two different amplification kits. ITEM 1 SE33 GLOBALFILER = 18,28.2; FUSION 6C = 17.1,28.2. ITEM 3 SE33 GLOBALFILER = 18,26.2,27.2,28.2; FUSION 6C = 17.1,26.2,27.2,28.2.
3JQQN6	NR = No results
3MF77D	Items 2 & 4: Possible elevated N-4 stutter or primer binding site mutation at D10S1248. In order to determine which of these is the actual cause, a secondary autosomal amplification kit with different primers than the Investigator 24plex QS kit would be needed; however, are not available to this analyst. Item 3: Could also be impacted by the elevated N-4 stutter or primer binding site mutation at D10S1248 since the suspect (Item 2) is included as a possible contributor and it is expected that this same issue would be present. If this was casework and a primer binding site mutation was suspected, the sample(s) could be sent to our convicted offender database laboratory for amplification with a different amplification kit, such as GlobalFiler. Also in casework, if either sample was entered into CODIS, and this was primer binding site mutation at D10S1248, the sample should still produce a moderate stringency match and the analyst would need to manually evaluate the sample.
3UR2BU	Only serology performed.
3UYRBW	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
3VMWG4	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. DYS391 is reported as INC for the PowerPlex® Fusion System as per laboratory policy
42VLTA	[Name] performed the screening portion of the exam. [Name] performed the DNA analysis portion of the exam. Biology was reviewed by [Name]. DNA was reviewed by [Name].
48FHLD	NR = no result (for item 1 STR data table). INC = inconclusive (for item 3 mtDNA data table). Team approach used.
4AHK32	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Laboratory Specific Item Designation] (Item 1) and [Laboratory Specific Item Designation] (Item 2) if at any point evidentiary samples should become available for comparison.
4BWVA8	Reporting results with stutter filters on.
4FLKL4	NR=no results
4G8XPA	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported. D10 was ignored during the deconvolution of Items 3 and 4 - the alleles called during data analysis are reported.
4RNAMEK	Y-Screening performed on items 3 and 4. Rapid DNA with ANDE on item 1 with FlexPlex 27. Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used to calculate the following propositions: Item3 : 1s2s/2sU; Item 4: 2s_U. Per [Laboratory] policy, STRmix would not be run in casework for item 4 as this item belonged to 2s and not required. Statistic run for PT purposes only. NID = No Interpretable Data.
4TD9EH	Non-concordance between kits at SE33 in Items 1 and 3.
4WCKD4	A team approach was used.
4WDBRY	Reporting results with stutter filters on.

TABLE 8

WebCode	Additional Comments
4ZYC9L	NID = No interpretable Data. Modified Rapid DNA analysis was conducted on items 1 and 2 using the ANDE Rapid DNA System and I-Chip with FlexPlex chemistry (item 1) and RapidHIT ID System and ACE GlobalFiler Express cartridge (item 2). All inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however to calculate a likelihood ratio on the following propositions: Item 3 - 1s2s_2sU, Item 4 - 2s_U.
63J2WQ	Reporting STRmix results with stutter filters on
67GUH9	Mixtures are reported as INC. NR/NE means No results/ not expected. N/A mean Not applicable/ not amplified.
6LXRZF	NR - no result
6TQXKG	reporting with stutter filters on
76EMQZ	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the Powerplex Fusion System as per laboratory policy.
7DYWKA	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
7KZ7V9	ND = Not Detected
7LRWUE	NR = no result
7UEYUW	ND=Allele(s) not detected. NT=Locus not tested.
7W6692	Two discordant results were seen for the known standards when compared to the evidence. The evidence samples (3.1 and 4.1) were amplified in GlobalFiler, while the known samples (1.1 and 2.1) were amplified in 24plex. At SE33 for known sample 1.1, SE33 was called a 17.1,28.2 while based on comparison to the evidence sample 3.1, the types at that location indicated an 18,28.2. In addition, for known sample 2.1 at D10, imbalance (below 30%) of the 14 compared to the 15 allele was seen, while comparison to evidence sample 4.1, the 14,15 were seen balanced (greater than 60%). Inclusions will still be reported as needed ignoring SE33 for known sample 1.1 and D10 for known sample 2.1. No results will be reported for known sample 2.1 at D10, as the locus would not be used if seen in traditional casework. The 24plex results of 17.1,28.2 for SE33 will be reported. These results will not be considered discrepancies.
7YJWUB	NR denotes no results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results.
827TXU	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
82LE6B	[ ] - Indicates minor allele/s and alleles between analytical and stochastic thresholds. N/A - Not Applicable.
82MEJD	NR=No result
86MPED	NR - no interpretable results

TABLE 8

WebCode	Additional Comments
89C6NR	1) Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using the DNA IQ kit on Tecan Freedom Evo 150. 2) Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 3) Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ABI ProFlex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were further amplified using AmFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 4) Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1, Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). Electrophoresis was also carried out on Genetic Analyzer 3500xl for Item 2, Item 3 and Item 4(Y-Filer). 5) Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. 6) NM represent Non-male profile.
8ECWB3	Item #3 - Peaks had lower RFU values at D10S1248 and D2S1338, drop out is unlikely, but a possibility, no other issues with other loci. D16, TPOX, TH01, D22, D5, D12 are not suitable for comparison under our current protocol.
8GVX7N	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
8JWPWW	Reporting results with stutter filters on.
8KGVK7	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.
8V924X	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex Fusion system as per laboratory policy.
8W99UB	Mitochondrial DNA testing and Y-STR testing are not performed at this laboratory. STR analysis was performed with stutter filters on.
8YCQQZ	Reporting with stutter filters on.
9A6K83	NR = no result(s) detected. 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.
9FACPC	reporting with stutter filters on
9FT6D4	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
9NLJ9M	Reporting STRmix results with stutter filters on
9P4FY2	Reporting results with stutter filters on.
9RAXXW	Concerning the Item 1, the SE33 locus give different results depending the kit used (17.1, 28.2 -Fusion 6C) and (18,28.2-Globalfiler).



TABLE 8

WebCode	Additional Comments
9VEB96	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported. In addition, data associated with the D10S1248 locus in Items 2, 3, and 4 was reported, despite the locus indicating a possible null 14 allele and being omitted from the STRmix interpretation. Data reported for Items 3 and 4 at this locus is unedited to include peaks called in stutter position.
9WJ4PW	DYS391 is reported INC for all samples tested using PowerPlex® fusion kit per laboratory policy. Any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
9YEL46	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported. Item 2 - The data associated with D10 locus in Item 2 was reported, despite the locus being omitted from the STRmix LR from previous calculations for Items 3 and 4. This locus was omitted due to possible unconfirmed elevated stutter and/or a primer binding site mutation. Item 3 - In addition, the data associated with the D10 locus in Item 3 was reported, despite the locus being omitted from the STRmix interpretation, based on sequential unmasking due to a single locus exclusion. Item 4 - In addition, the D10 locus was omitted for the LR from previous calculations using STRmix, due to the above noted Item 2, D10 locus unconfirmed anomaly.
A8HNQU	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
A9QFBP	The results for Items 1 and 3 were reported as inconclusive for the SE33 locus because of the following non-concordance in the genotypes obtained with two different amplification kits. ITEM 1 SE33 GLOBALFILER = 18,28.2; FUSION 6C = 17.1,28.2. ITEM 3 SE33 GLOBALFILER = 18,26.2,27.2,28.2; FUSION 6C = 17.1,26.2,27.2,28.2.
A9UZF7	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect. This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry.
AANPFT	Male screening was performed on item 3 (pos for male DNA) and item 4 (pos for male DNA) using the Plexor HY quantification kit.
ABWWQ9	NA= Not applicable. INC= inconclusive. Missing Persons Unit reports mixtures as INC. NR/NE= no result/ not expected.
AQ922D	NR=No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results
ATV6VY	reporting with stutter filters on

TABLE 8

WebCode	Additional Comments
AUD2B6	This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry. High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect.
B2NPKX	Interpretation only performed by this analyst. Male Screening and DNA STR analytical testing performed by another analyst (team).
BBULAV	DYS391 is reported as INC as per laboratory policy. Any labeled peaks seen in samples that are likely due to PCR/STR artifact were not reported.
BDNUU4	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.
BHA8JZ	INC = inconclusive. MtDNA results for item 3 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes. NA = not applicable.
BMLA6V	A mixture of DNA was obtained from item 3. Any labeled peaks that are likely due to PCR/STR artifacts were not reported. DYS391 is reported as INC per lab policy.
BTFJZ9	N/A - Not Applicable
BU8864	This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry. High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect.
BUJ629	Items 3 and 4 were not processed for STR or YSTR analysis. Items 1 and 2 were processed for STR/YSTR database purposes only. 042222[Initials]. Items 1 through 4 were processed for mtDNA analysis. 042222[Initials]. A mixture mtDNA profile was obtained from item 3 and the data is not reported because [Laboratory] does not have a validated protocol for deconvolution of a mixed mtDNA profile. Since item 3 is not reported, no interpretations can be made between items 1 and 3 and items 2 and 3. 042222[Initials]. A serological evaluation was not performed on items 3 and 4 as it is not necessary to determine the method of processing for mtDNA analysis. 042222[Initials].
C3KDK8	NR = No results
C4DWDD	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

WebCode	Additional Comments
C6LVP8	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.
CC3PMP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
CCK3AV	Reporting with stutter filters on
CDFYXB	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.
CDQR4R	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. DYS391 is reported as INC for the PowerPlex Fusion System as per laboratory policy.
CM7K49	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.
CMEM6T	DYS391 is reported as INC for all Powerplex Fusion results as per lab policy. Any peaks seen in item 3 not from Suspect or victim are likely PCR/STR artifacts, were not reported and will not be used for conclusions or comparisons. The minor peaks indicated in Item 4 are likely PCR/STR artifacts.
CNUQTT	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
CPQR4W	NR = no results. N/A = not applicable.
CVVWB	ND: Allele(s) not detected
D3GJQL	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
D9MCKG	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
DC3EF9	NR = No result
DFUJXQ	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. DYS391 is reported as INC for all samples tested per lab policy.
DJJMQ3	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. "NR" in that allele table(s) [Table 2: STR Amplification Kit(s) & Results] denotes "no results."
DQVAER	For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported. DYS391 is reported as INC for all samples tested as per laboratory policy.
DTQRRE	NR=No result

TABLE 8

WebCode	Additional Comments
DX7JG2	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.
DYU7MA	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.
E4LTVN	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true peaks being reported as possible allele(s).
E7LG7X	NR = no result. 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.
E93XRX	NR = No Result. The DNA analyst only performed KM testing in the Screening Portion [Table 1: Serology Screening Results] of this test. A qualified forensic biologist performed all other screening tests, including male screen.
E9Q6LN	a) Extraction: Item 1 & Item 2 were extracted using in-situ method. Item 3 & Item 4 (bloodstains) were extracted using Promega DNA-IQ Purification Kit via TECAN Freedom EVO® HID EVOlution™ Platform. b) Quantification: Item 3 & Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RTPCR QuantStudio 5. c) Amplification: Item 1 & Item 2 were amplified using Globalfiler Express (GFE) Kit on ABI Proflex PCR System. Item 3 & Item 4 were amplified using Globalfiler STR Kit on ABI GeneAmp PCR System 9700. Y-STR amplification was carried out on Item 2, Item 3 & Item 4 using AmFLSTR Y-Filer kit on GeneAmp PCR 9700. d) Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 & Item 2 (GFE) and Item 3 & Item 4 (GF). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). e) Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
EALKZ7	Items 1 through 4 were only processed for mtDNA analysis. A serological evaluation was not performed on Items 3 and 4 as it is not necessary to determine the method of processing for mtDNA analysis. A mixed mtDNA profile was obtained from Item 3 and the data is not reported because we do not have a validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 3 was not reported, no interpretation can be made between Items 1 & 3 and Items 2 & 3.
ECE46J	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
EEK6W3	***Analysis performed by a DNA Technician; therefore, no interpretation performed. A 14 peak was noted in samples 01-02-AA, 01-03-AA, and 01-04-AA at the D10S1248 locus. This peak is in a stutter position to the 15 allele and does not appear to pair with this allele; however, the appearance of the peak above published stutter ratios for the 24plex kit in all 3 samples may suggest that the 14 is actually an allele that may be imbalanced due to a mutation and not a stutter artifact. This peak is included in the provider form because the lab has no way to determine if it is allelic or an artifact.
EFFAKP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

WebCode	Additional Comments
EFHYPL	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
EMTTF3	Missing Persons Unit reports mixtures as inconclusive(INC). NA means not applicable.
ETVMPX	Item 3 inconclusive due to multiple sequences observed in the results, and this laboratory does not interpret mixtures.
EWFMV7	Reporting with stutter filters on.
EZDDVP	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. In regards to PowerPlex Fusion results, <i>DYS391</i> is reported as "INC" as per [Laboratory] interpretation policy.
F2EWM6	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.
F2VTBX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
F69QK7	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.
F6D9H6	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.
F6GLGY	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 ( <i>DYS391</i> , <i>DYS570</i> and <i>DYS576</i> ) 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.
F7KUB7	Reporting with stutter filters on
F9DGT7	The 14 allele reported at <i>D16S539</i> for Item 3 is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. This peak was further modeled probabilistically using STRmix to support this interpretation.
F9DRUX	This proficiency test was utilized for Y-STR purposes only. Item 1: No male detected in quantitation, therefore, no further analysis.
FBFQU6	Items 3 and 4 were not processed for STR analysis. Items 1 and 2 were processed for STR database purposes only. Items 1 through 4 were processed for mtDNA analysis. A serological evaluation was not performed on Items 3 and 4 as it is not necessary to determine the method of processing for mtDNA analysis. A mixed mtDNA profile was obtained from Item 3 and the data is not reported because we do not have a validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 3 is not reported, no interpretation can be made between Items 1 & 3 and Items 2 and 3.
FDPAZY	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

WebCode	Additional Comments
FFU6W4	This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry. High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect.
FQ7V2Y	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, Item 3 and Item 4 using AmpFLSTR Y-Filer PCR Amplification kit on the 9700 GeneAmp PCR System. 4. Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were analyzed throughout the analysis and all gave the intended results.
G3DX3M	A mixture of DNA was obtained from sample questioned stain from suspect's shirt (pink). Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. Any labeled peaks seen in the sample questioned stain from suspect's pants (off-white) that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. As per laboratory protocol, DYS391 was deemed INC.
GDJEUX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
GHUYV7	Possible non-concordance at SE33 (17.1 in Fusion 6C; 18 in Globalfiler) between Item 1 amplified with PowerPlex Fusion 6C and Item 3 amplified with Globalfiler.
GJTGAZ	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.
GTE8RZ	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
H98QT2	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.

TABLE 8

WebCode	Additional Comments
H9PXJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
HCHE3R	NR = No Results
HGEJ6G	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
HKJNQX	This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry. High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect.
HWDJ6X	DNA training is currently in progress and has not been completed. Only serology results have been submitted at this time.
HXMYAD	Reporting STRmix results with stutter filters on
HXNDWQ	NR = No Result
JBQ4C4	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.
JDFYR6	MiniFiler was also used to amplify item 4. Concordant results were obtained with GlobalFiler and MiniFiler.
JDYD7L	NR = no result
JEPJKR	The victim has no interpretations for either item because the victim known was not processed for DNA. This test was used for YSTR testing only and the victim is listed as female.
JEQE4X	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
JFLRUW	NA=Not applicable
JGU6EJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
JH4QQK	Only Analytical DNA was performed on items 1,2,3 and 4. Alleles were entered with stutter filters on since probabilistic genotyping was not completed for this test.
JJ27YB	Reporting STRmix results with stutter filters on

TABLE 8

WebCode	Additional Comments
JKFR87	INC= inconclusive. NID = no interpretable data/no result. Note: inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio on the following propositions: Item 3 1s2s_2sU; Item 4 2s_U. Modified Rapid DNA analysis was conducted on items 1 and 2.
JLTFAJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
JLZFXR	NR = No Results. 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.
JP6WVF	NA=Not Applicable/Not Tested. INC=Inconclusive. NR/NE=No Result/Not Expected. Missing Person's Unit reports mixtures as inconclusive (INC).
JPAL7T	NR = No Results. All screening tests performed by qualified forensic biologist. Male screen screening test interpreted by reporting analyst. KM testing done on sample 1 by reporting analyst. Results positive.
JQHZDY	GMIDX analysis performed with stutter filters on. Mitochondrial and Y-STR DNA analysis not performed in this laboratory.
JRTLLU	OL allele at SE33 in item 3 and item 1 (confirmed by reinjection and STRbase checked)
JWKL7G	Item 3: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit.
K2VYJA	Reporting STRmix results with stutter filters on
K7EGYQ	The victim (Item 1) has no interpretations for either Item 3 or Item 4 because the victim known was not processed for DNA. This test was used for YSTR testing only and the victim is listed as female.
K7R724	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. NR = No Results
K9AYNK	For powerplex fusion results, DYS391 is reported as INC, as per our laboratory policy.
K9UGPL	Item 3 is reported as inconclusive due to the presence of a mixture. This laboratory does not interpret mtDNA mixtures.
KCGNHZ	This lab doesn't perform Y-STR testing or mtDNA testing and reports samples with stutter filters on.
KDNU9N	INC = inconclusive due to mixture; NA = not applicable/not tested. mtDNA results for item 3 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes. Autosomal and Y-STR testing were not conducted.
KHF2RW	NA= NOT APPLICABLE
KKBPYD	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
KL3HK4	Item 4 was amplified with both Globalfiler and Minifiler. Concordant results were obtained with Globalfiler and Minifiler.
KL6DG9	Y-STRs and mitoDNA are not preformed at the [Laboratory].



TABLE 8

WebCode	Additional Comments
KQBUAP	reporting results with stutter filters on
KR7MXV	INC=Inconclusive. mtDNA results for item 3 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
KV2BD3	Discordance observed at SE33 between amp kits in Items 1 and 3.
KWERQF	{ } = peak height imbalance. SE33 locus is inconclusive for Items 1 and 3 because of the following non-concordance: Item 1 SE33 Globalfiler= 18,28.2; Fusion 6C= 17.1,28.2. Item 3 SE33 Globalfiler= 18,26.2,27.2,28.2; Fusion 6C= 17.1,26.2,27.2,28.2.
KXWMNA	Reporting STRmix results with stutter filters on
LA8XNP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
LBHXPQ	Male Screen testing was performed on a sample from each of item #3 and #4 by a qualified forensic biologist. The DNA analyst reviewed and interpreted the male screen results. KM testing was done by both the forensic biologist and the DNA analyst. Other serological tests were done by the forensic biologist. NR = No Result.
LD7CDZ	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.
LHBLCB	Only serology performed.
LHXAFR	INC=Inconclusive, MP unit does not interpret mixtures. NR/NE=No Results/Not Expected. NA=Not Applicable/Not Amplified.
LHXZVM	Reporting with stutter filters on.
LMYHB9	The [Laboratory] does not test any additional loci and does not perform YSTR or mtDNA testing.
LNH89K	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. Per laboratory policy, the DYS391 locus tested in PowerPlex Fusion will not be interpreted or reported and will be marked "INC".
LPQRLM	NR= No results
LR4ZAF	All evidentiary profiles that yield a mixture will be de-convoluted in STRmix to develop an advanced report. The Genotype Probability Distribution table from the STRmix Advanced Report will be used to complete the test provider's results table for these samples.
LR7B4H	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
LRL8FX	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
LTHFRM	For item 3: at locus D5S818, stutter peak in 11 position to parent 12 filtered out in analysis software.
M4ZZMP	Samples 3 and 4 were also amplified in the Identifiler Plus kit using Low Copy Number conditions - results were consistent with the standard Identifiler Plus results. Samples 3 and 4 were also amplified using the MiniFiler kit - results were consistent with the Identifiler Plus results at the loci present in both kits. The YSTR results were not used in the interpretation.

TABLE 8

WebCode	Additional Comments
M8CE6H	Biology testing performed. Male screening preparation and male screening processing (analytical) testing performed.
M99UD9	Reporting STRmix results with stutter filters on.
MBW92J	Item 3: suspect's shirt: Analysis (drop out probability : 0.10); Prosecution hypothesis: Item 1 (victim) / Item 2 (suspect); Defense hypothesis: Item 2 (suspect) / 1 unknown. Match parameters: Probability of dropin: 0.05; Theta correction: 0.01. Results: Overall Likelihood ratio: 7,77E022.
MCUWJY	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.
MG6MRU	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
MHUXHM	Reporting results with stutter filters on.
MLN22T	A team approach was used.
MLU9EM	Reporting results with stutter filters on.
MM7GK8	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
MRX7VE	The results for Items 1 and 3 were reported as inconclusive at the SE33 locus because of the following non-concordance in the genotypes obtained with two different amplification kits. ITEM 1: SE33 GLOBALFILER = 18,28.2; FUSION 6C = 17.1,28.2. ITEM 3: SE33 GLOBALFILER = 18,26.2,27.2,28.2; FUSION 6C = 17.1,26.2,27.2,28.2.
MRYW4H	*Items 2, 3 and 4 at D10S1248 a 14 peak was observed that could be very high stutter or a very low sister allele based on our validated parameters. This was first observed when analyzing samples 3 and 4. In sample 3 the mixture ratio was close to 1:1. The 14 peak was 21.4% of the 15 peak the expected stutter rate is approximately 10.4%. The height of the 14 would have been an indication of a third contributor which wasn't consistent with the rest of the mixture. The 14 could also be high stutter. Sample 4 was single source. The 14 was 23.4% of the 15, again expected is 10.4%. The total allelic peak height at D10S1248 seems low when compared to similarly sized loci. This could indicate a primer binding site mutation that is causing the 14 to not amplify efficiently. The 14 could also be high stutter. Sample 2- the 14 is 22.4% of the 15 allele. The total allelic product is more in line with what is being observed at similarly sized loci. Again this could be high stutter or some sort of amplification issue. Items 3 and 4 were differentially extracted. The sperm fraction from item 3 had a quant value and was amplified but no profile was obtained. The sperm fraction from item 4 did not have a quant value and was not amplified.
MVZ2VU	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
MW37NQ	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 8

WebCode	Additional Comments
NB7Q79	Only serology performed.
NBNUHE	*A potential anomaly was observed at the D10 locus in items #2, 3 and 4. A 14 peak was observed in each sample that may be a result of reproducibly elevated stutter or a potential primer binder site mutations of a sister allele. The 14 peak was observed between ~19% and 24% of the 15 allele, which falls within our possible elevated stutter range or just above it. When observing the peak height of the 15 allele compared to other loci in the same profile, it is very plausible that the 14 may also be the result of a primer binding site mutation. This would make the 14 allele a sister allele to the 15 and result in a genotype combination of 14,15. Since we are unable to confirm which anomaly it is, the genotype reported was just a 15 allele.
NC2U4U	[] - indicates minor allele(s) and/or allele(s) between analytical and stochastic thresholds. NA - indicates not applicable.
NDJBCP	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
NHMEPG	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex® Fusion System as per laboratory policy.
NQ7V4Q	ND = not detected
NTPFNF	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex® Fusion system as per laboratory policy.
NVX2HT	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.
NZFPAZ	MiniFiler was used to amplify items 3 and 4. Concordant results were obtained with GlobalFiler and MiniFiler at all shared loci.
P3NRXE	DYS391 locus was reported as INC for Fusion profiles for all samples as per Laboratory policy. Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions and comparisons.
P6XMUE	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Laboratory Specific Item Designation] (Item 1) and [Laboratory Specific Item Designation] (Item 2) if at any point evidentiary samples should become available for comparison.
PBQAX7	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
PF2UUX	Minifiler™ was also used to amplify item 4. Concordant results were obtained with GlobalFiler™ and Minifiler™ for this item.
PJ3GLM	item 3 and 4 were also analysed using minifiler and LCN Identifiler Plus. The results from these tests were concordant with the Identifiler Plus reported here.

TABLE 8

WebCode	Additional Comments
PKZJKY	NR = No results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results.
PMUCP9	A discordant allele call was confirmed in the profiles obtained from Victim (Item 1) - CTS2240-0040-R-03a1 at the SE33 locus between the GlobalFiler kit (18, 28.2) and the PowerPlex Fusion 6C kit (OL 17.1, 28.2).
PN9R6V	Reporting with stutter filters on.
PP4L7Q	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.
PTA6BE	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
PV82NG	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Laboratory Specific Item Designation] (Item 1) and [Laboratory Specific Item Designation] (Item 2) if at any point evidentiary samples should become available for comparison.
PVMK9E	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Laboratory Specific Item Designation] (Item 1) and [Laboratory Specific Item Designation] (Item 2) if at any point evidentiary samples should become available for comparison.
Q22PBK	For the sample containing DNA from Item 2 (male suspect), allele imbalance at the D10S1248 locus was observed in the original extraction and amplification as well as the re-extraction and amplification of the re-extract. Observed allele imbalance for the D10S1248 locus was 31.5% and 27.8, respectively, in the amplifications of Item 2. Allele imbalance was also observed in the evidence samples in which the suspect (Item 2) could not be excluded as a contributor to.
Q2F8C6	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
Q493WT	NR = No Results. Male screening testing was performed by a competent Forensic Biologist and results analyzed by test participant DNA Analyst. Globalfiler Express testing was performed by a competent DNA Analyst and results analyzed by test participant DNA Analyst.
Q98HUV	1) Possible Primer Binding Site Issue for Item 1 and Item 3 at SE33 - non-concordance between GF and Fusion 6C/24plex kits - locus was not used for comparison. 2) Null Allele at D10 for Item 2 when using the 24plex kit - Fusion 6C data was reported and is listed in the table.

TABLE 8

WebCode	Additional Comments
Q9F9CE	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on Items 3 and 4. Item 3: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
QDLZ7J	NR=No Results
QDWUJK	On Sample 001-3A, at locus D18S51, there is a 19 peak that typed in the 1st amp but not in the second amp. This peak is likely stutter, but since high stutter peaks are left in for STRmix interpretations, the 19 peak was included in the list of "allelic results" for Item 001-3A.
QGPKMQ	Item 2: Penta E: 12 allele was below laboratory stochastic threshold, used brackets to indicate potential for drop out. D22: NA = no amplification.
QH2RRP	N/A: Not Applicable. [ ] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
QJPUBD	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex Fusion System as per laboratory Policy.
QPJ7QN	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
QV422L	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
QWD7EA	Serology only proficiency test.
R2EU43	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
R36J9B	Reporting results with stutter filters on.
R687FZ	It should be noted that Amel and the male markers are not included in the STRmix interpretation for single source samples or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation but are included in the CTS report.
RH3J9Q	This test was performed by a DNA technician, who is authorized to perform forensic biology testing, extraction (EZ1/QIAcube) and quant (Plexor HY). No DNA interpretations will be made. Data was amplified by a qualified DNA analyst to check for accuracy. STRmix was used by the authorized DNA analyst for the purpose of obtaining a genotype table for data entry. High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the items are indigenous to the suspect.
RKWLFL	In relation to the interpretation of Item 3 and in relation to the Victim (Item 1), where the results were obtained, the Victim could be a contributor.

TABLE 8

WebCode	Additional Comments
RPWPQ7	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using DNA IQ kit on Tecan Evo 150 platform. Quantification: Item 3 and Item 4 were quantitated using Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification kit on ProFlex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y-Filer PCR Amplification kit on GeneAmp PCR System 9700. Electrophoresis: Item 1 and Item 2 (GlobalFiler Express) while Item 3 and Item 4 (GlobalFiler) were run on ABI 3500xL Genetic Analyzer. Item 2, Item 3 and Item 4 were run on ABI 3500xL Genetic Analyzer for Y-STR. Quality Control: Reagent blank, positive control and negative control were conducted throughout the analysis and given satisfactory results. NM represent Non-male profile.
RPZAT2	Possible drop out observed at TH01, D12S391, and D2S1338.
RT2TUL	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.
RZX2CZ	NR = No Results
T4ZRHL	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.
T67TTD	Per lab policy, DYS391 is reported as INC using the PowerPlex Fusion amplification kit. Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported.
T73VK8	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
TAWDNF	Discordant results observed between amplification systems for Items 1 and 2, results based on Investigator 24plex QS were reported for this proficiency: Item 1, SE33 called 17.1, 28.2 (Investigator 24plex QS) and 18,28.2 (GlobalFiler). Reported as 17.1,28.2. Item 2, D10S1248 14,15 <30% PHR (Investigator 24plex QS) and 14,15 >60% PHR (GlobalFiler). Result not reported as locus would not be used in traditional casework.
TFTL3U	NR=no results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results.
TKH4EJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

WebCode	Additional Comments
TKQR9K	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.
TTNF6G	NR = no results. NT = not tested.
TU7RET	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contains an elevated stutter peak which is being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus: Exhibit 3, vWA allele 14. 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.
TULMUN	Within the data table for Item 1, NR = no results. Team approach used.
TUNCYK	NR/NE = No Results/Not Expected. INC = Inconclusive. NA = Not Applicable. The Missing Persons Unit reports mixtures as inconclusive; therefore, no interpretation was performed on Fusion results from Item 3 and no Fusion data comparisons were made between Item 3 and Items 1 and 2.
TVW4UZ	It should be noted that Amel and the male markers are not included in the STRmix interpretation for single source samples or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation but are included in the CTS report.
TY3TMG	Interpretation only performed by this analyst. Biology and Y-STR analytical testing performed by another analyst (team).
U3NCNK	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.
U6K7WL	NA = Not applicable
U96ZTL	Since Item 1 did not indicate any male DNA during the quantitation step, it was not processed for YSTR amplification and CE; thus, no interpretations can be conducted for Item 1.
U9LMGP	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
U9PW2F	Forensic Biologist performed the screening tests and male screen benchwork. DNA analyst performed the analysis of the male screen test. Benchwork DNA analyst performed the KM testing. NR=No Results.
UCLXCP	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.

TABLE 8

WebCode	Additional Comments
UKE4U6	Extraction : 1) Item 1 and Item 2 were extracted using in-situ method. 2) Item 3 and Item 4 was extracted using Promega DNA IQ on Tecan Freedom EVO 150 platform. Quantification : Item 3 and 4 were quantified using Quantifiler Trio DNA Quantitation Kit on QuantStudio 5. Amplifications : 1) Item 1 and Item 2 were amplified using the GlobalFiler Express kit on Proflex PCR System. 2) Item 3 and Item 4 were amplified using the GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. 3) Item 2, Item 3 and Item 4 were also amplified using AmpFISTR YFiler kit on 9700 GeneAmp PCR System. Electrophoresis : Capillary electrophoresis on all amplified samples (Globalfiler Express, Globalfiler PCR and YFiler) were carried out on Genetic Analyzer 3500xL. Quality Control : Reagent Blank, Positive Control and Negative Control were carried out along with the analysis and all gave the intended results.
UMGB4A	Male Screening was performed on items 3 and 4 using the Plexor HY quantification kit
UNZDA3	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
UYE7CC	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported. DYS391 is reported as INC for all samples tested per laboratory PowerPlex Fusion Interpretation Policy.
V3QHJD	The results of the analysis shown item 3 found DNA from at least two individuals that were compatible with Victims (item1) and Suspects (item2). Item 4 found DNA profile compatible with the suspect (item2).
V9CDKG	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
VARMGN	Only serology performed.
VE8MZF	NR= no results. KM testing was performed by DNA analyst. All other screening tests performed by Forensic Biologist.
VFTYDL	INC = Inconclusive. Per [Laboratory] guidelines, mtDNA results for item 3 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes only. No autosomal or Y-STR testing was performed.
VP84ZH	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.
VQZKUL	Elevated stutter noted.
VUUFL9	ND- Allele(s) not detected.
W9DHHQ	non-concordance at locus SE33 between item 3 (allele 17.1) and item 1 (allele 18) (standard could not be ruled out at any other loci) locus ignored in STRmix
WENZ76	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
WGUXLL	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.



TABLE 8

WebCode	Additional Comments
WJJWQP	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. 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: CSF1PO allele 13 and D13S317 allele 14.
WL4RHN	Item 3 estimated mixture proportions - 60:40
WNCUFF	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 3) and DNA analyst (Item 3 & Item 4); concordant results where applicable. The DNA analyst reviewed and interpreted the male screen results. #2 tested with GlobalFiler and GlobalFiler Express; concordant results generated.
WNV8WK	For item 3, at the locus D5S818, the 11 allele from the victim is in the stutter position, therefore not called. This locus was not used in the statistical calculation. The victim's alleles are fully represented in the rest of the profile.
WQBXMN	Each sample (ITEM 1-4) was tested with two different (autosomal) STR kit. In ITEM 1, autosomal assays showed a discordance at the SE33 locus. We detected 17.1/28.2 at the SE33 locus using PowerPlex Fusion 6C kit and 18/28.2 using GlobalFiler kit.
WWTJ4F	No interpretation undertaken for Yfiler Plus results. MiniFiler results obtained were concordant with Identifiler Plus results obtained.
WW8WLX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
WYVB9M	KM testing performed by DNA analyst. Male screen testing analyzed by DNA analyst. NR=no results.
X37KE4	Male Screening was performed on items 3 and 4 using the Plexor HY Quantification Kit. Information from the analysis was used to determine the presence of male DNA on items 3 and 4. Item 3: Male DNA was detected on this item utilizing the Plexor HY Quantification Kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification Kit.
XCTDYN	Non-concordance between kits at SE33 in items 1 and 3.
XD7AUY	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
XHK4BW	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
XJ6NRE	Missing Persons Unit reports mixtures as INC (inconclusive). NA = Not Applicable. NR/NE = no result/not expected.
XMCBT6	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

WebCode	Additional Comments
XU7WPZ	Only serology performed.
XZY8TW	Reporting STRmix results with stutter filters on.
Y93QJ6	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex Fusion system as per laboratory policy.
Y9N3GJ	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
YAJTF7	Male Screening was performed manually on items 3 and 4 utilizing the Plexor HY Quantification kit. DNA Analytical for items 1-4: manual extraction and purification using QIAamp DNA Mini Kit, manual quantification with Quantifiler Human, manual amplification with 24 Plex Amplification Kit, and Capillary Electrophoresis with 3500xl. Alleles were entered with stutter filters on since probabilistic genotyping was not completed for this test.
YCUUZX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
YE6PTG	I have not completed DNA training and only serology results have been submitted.
YK2XHG	4/11/22 [Initials]: Interpretations for Victim (Item 1) are inconclusive. No male DNA was detected from quantification and the victim is female. The analysis of this sample stopped based on quant results, since only Y-STR analysis was completed for the evidence samples.
YNHPMB	[Name] performed biology screening. [Name] performed DNA lab work and interpretation. [Name] performed tech review of the CTS data entry for biology and [Name] performed tech review of the CTS data entry for DNA. Item 3: The Infrared (IR) Light was used as an investigative aid and indicated stain(s) of potential evidentiary value. Presumptive testing with Luminol and Phenolphthalein indicated the possible presence of blood. This test alone does not confirm the presence of blood. Item 4: Confirmatory testing for hemoglobin with HemDirect disclosed the presence of blood of probable human origin. The HemDirect test is not considered a confirmatory test for species (it is considered confirmatory for blood), due to the fact that some upper primates and under some conditions, ferrets, have been reported giving positive results with the HemDirect card. The amylase diffusion test is a presumptive test for the presence of amylase (an enzyme found in body fluids, including saliva).
YVWJKZ	The results for Items 1 and 3 were reported as inconclusive for the SE33 locus because of the following non-concordance in the genotypes obtained with two different amplification kits. ITEM 1 SE33 GLOBALFILER = 18,28.2; FUSION 6C = 17.1,28.2. ITEM 3 SE33 GLOBALFILER = 18,26.2,27.2,28.2; FUSION 6C = 17.1,26.2,27.2,28.2.
Z44F3C	Item 3 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
Z72BVK	Y-screening conducted only. DNA analysis was not performed. Male DNA was detected on items 3 and 4.
Z76PTF	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 8

WebCode	Additional Comments
Z8D2BG	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.
Z967EN	Y-screening conducted only on item 3 and item 4. Male DNA was detected on item 3 and item 4.
ZBNRZD	A team approach was used for screening.
ZDZ77K	NR = No Results
ZGV8P2	The results for Items 1 and 3 were reported as inconclusive for the SE33 locus because of the following non-concordance in the genotypes obtained with two different amplification kits. ITEM 1 SE33 GLOBALFILER = 18,28.2; FUSION 6C = 17.1,28.2. ITEM 3 SE33 GLOBALFILER = 18,26.2,27.2,28.2; FUSION 6C = 17.1,26.2,27.2,28.2.
ZL4TBD	NR = No results. GlobalFiler and Yfiler were performed on Items 1 - 4. Results were concordant at DYS391.
ZLRG4E	[ ] - indicates alleles between analytical and stochastic thresholds. N/A = not applicable.
ZNK8DZ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
ZQN3UG	Reporting with stutter filters on. Mitochondrial DNA and Y-STR's not performed at this laboratory.
ZZD2VH	High stutter was noted at D10 for Item 2 (Known blood from suspect) and it is suspected that this is inherent to this contributor at this locus. However, there is the possibility that this could be an imbalanced heterozygote pair due to basepair variation at the primer binding site. This could also affect items 3 (shirt) and 4 (pants) since the suspect cannot be excluded from these DNA profiles.
ZZDYAK	NR= No Results

-End of Report-  
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

**Test No. 22-5702: Forensic Biology**

DATA MUST BE SUBMITTED BY **May 2, 2022, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: HJLU6R

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 have been called to a local bar to investigate a physical assault involving a female victim and male suspect. Upon arrival the victim tells police that the suspect hit her several times after she declined his advances. The suspect denies this claim and accuses the victim of hitting him. Police have noted injuries only on the victim. Investigators are submitting a stain from the shirt (Item 3) and a stain from the pants the suspect was wearing (Item 4). Also provided are known standards from the female victim (Item 1) and male suspect (Item 2).

**Items Submitted (Sample Pack B2):**

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

Item 4: Questioned stain from suspect's pants (off-white)

### 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"/>	
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Y-Screening (male DNA)	<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"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<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"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<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 II (continued): DNA Analysis - Mitochondrial DNA

- Report the range of bases sequenced for each Item tested in the appropriate box.
- List the base pair values and the associated deviations from the standard Anderson sequence in the designated boxes below each Item number.
- Click "Add Row" to show another row of boxes for entry.

HVR I	Item 1	Item 2	Item 3	Item 4
Bases Sequenced:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

HVR II	Item 1	Item 2	Item 3	Item 4
Bases Sequenced:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>	<b>Base Pair - Dev</b>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<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.

## 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)