



## **Forensic Biology Test No. 21-5706 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 353 participants and are compiled into the following tables:

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

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

## **Manufacturer's Information**

Each sample pack consisted of two known bloodstains on FTA Micro cards (Items 1 & 2), and two questioned stains 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. Items 1 (75  $\mu$ l) and 4 (50  $\mu$ l) were created using blood collected from the same female donor. Item 2 (75  $\mu$ l) was created using blood collected from a male donor. Item 3 (50  $\mu$ l) was created using a 1:1 mixture of blood from the female donor 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 October 18, 2021 following completion of the verification stage.

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

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

## Manufacturer's Information, continued

<b>Amelogenin and STR Results</b>						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	<b>D1S1656</b>	<b>D2S1338</b>	<b>D2S441</b>	<b>D3S1358</b>	<b>D5S818</b>	<b>D6S1043</b>
	<b>D7S820</b>	<b>D8S1179</b>	<b>D10S1248</b>	<b>D12S391</b>	<b>D13S317</b>	<b>D16S539</b>
	<b>D18S51</b>	<b>D19S433</b>	<b>D21S11</b>	<b>D22S1045</b>	Amelogenin	<b>CSF1PO</b>
	<b>FGA</b>	<b>Penta D</b>	<b>Penta E</b>	<b>SE33</b>	<b>TH01</b>	<b>TPOX</b>
	<b>vWA</b>	<b>DYS391</b>	<b>DYS570</b>	<b>DYS576</b>	<b>Y Indel</b>	
1	14,17.3	19,21	10,11	15,16	9,12	*
	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	NM	NM	NM	NM	
2	16,17	16,23	11,11	15,18	12,12	*
	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18	2	
3	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	*
	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18	2	
4	14,17.3	19,21	10,11	15,16	9,12	*
	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	NM	NM	NM	NM	

<b>YSTR Results</b>									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
Item	<b>DYF387S1</b>	<b>DYS19</b>	<b>DYS385</b>	<b>DYS389-I</b>	<b>DYS389-II</b>	<b>DYS390</b>	<b>DYS391</b>	<b>DYS392</b>	<b>DYS393</b>
	<b>DYS437</b>	<b>DYS438</b>	<b>DYS439</b>	<b>DYS448</b>	<b>DYS449</b>	<b>DYS456</b>	<b>DYS458</b>	<b>DYS460</b>	<b>DYS481</b>
	<b>DYS518</b>	<b>DYS533</b>	<b>DYS549</b>	<b>DYS570</b>	<b>DYS576</b>	<b>DYS627</b>	<b>DYS635</b>	<b>DYS643</b>	<b>YGATAH4</b>
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	10	19	18	21	22	12	12
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	10	19	18	21	22	12	12

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

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

## Summary Comments

The 21-5706 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 4 were created using blood collected from the same female donor. Item 2 was created using blood collected from a male donor. Item 3 was created using a mixture of 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 353 participants.

### Screening Test Results:

Screening results for body fluids (blood, semen, saliva) were returned by a total of 326 participants. However, not all of these participants returned screening results for all fluids for both questioned items, which explains the large differences in the tallies discussed below.

For Item 3, all participants reported "Positive" for the presence of blood. For the presence of semen, all responding participants reported "Negative." For the presence of saliva, one participant reported "Positive" and 78 reported "Negative." Additionally, all responding participants reported "Positive" for Human Origin screening 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, one participant reported "Positive" and 82 reported "Negative." Additionally, all responding participants reported "Positive" for Human Origin. For Y-Screening, 62 participants reported "Negative" and three reported "Inconclusive."

### DNA Analysis Results:

Of the 353 participants that returned results, 334 reported DNA results. Eight participants stated that the samples were analyzed for database purposes only and three selected the "No Interpretations" options individually for all interpretation questions.

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

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

A total of 164 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, seven reported additional alleles compared to the consensus/predistribution results for one or more of the questioned items.

## 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
224KEP	Pos FOB	Pos FOB
226HPK	Pos Hemastix	Pos Hemastix
29UGFE	Pos KM	Pos KM
2AKYJF	Pos KM	Pos KM
2BEXJZ	Pos KM, Luminol	Pos KM, Luminol
2BYGP8	Pos KM, HemaTrace	Pos KM, HemaTrace
2C8U79	Pos KM, HemaTrace	Pos KM, HemaTrace
2D3AGK	Pos O-tol, HemaTrace	Pos KM, RSID
2HVHGK	Pos KM, HemaTrace	Pos KM, HemaTrace
2HYXZC	Pos KM, HT	Pos KM, HT
2NJ22M	Pos KM	Pos KM
2R6T9J	Pos KM, HemaTrace	Pos KM, HemaTrace
32LEP6	Pos Combur (TMB), KM	Pos Combur (TMB), KM
368QFG	Pos KM	Pos KM
36LQL4	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
3DFVE6	Pos KM	Pos KM
3DXCLE	Pos KM	Pos KM
3EEWJC	Pos KM, HemaTrace	Pos KM, HemaTrace
3HA8FQ	Pos KM	Pos KM
3HPNEP	Pos KM	Pos KM
3U77FA	Pos KM, HemaTrace	Pos KM, HemaTrace
3UPFFH	Pos KM	Pos KM
4473RB	Pos LMG	Pos LMG
46GLN8	Pos KM	Pos KM
47EX68	Pos KM	Pos KM
48VQM6	Pos LMG	Pos LMG
4CLU4V	Pos KM	Pos KM
4LNYAP	Pos KM	Pos KM
4M4GAP	Pos KM, HemaTrace	Pos KM, HemaTrace
4PP6MB	Pos LMG	Pos LMG
4PRXJX	Pos FOB	Pos FOB
4VE4D4	Pos LMG	Pos LMG
4WCE98	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4X2JBX	Pos KM, HemDirect	Pos KM, HemDirect
62X9QJ	Pos KM	Pos KM
62XG94	Pos KM	Pos KM
63BWTW	Pos KM, HEM Direct	Pos KM, Hem Direct
66C6RE	Pos KM, TMB	Pos KM, TMB
69GQPD	Pos KM	Pos KM
6LQ2JU	Pos KM, HemDirect	Pos KM, HemDirect
6NA9VB	Pos Hemastix	Pos Hemastix
6NMYJL	Pos Hemochromogen	Pos Hemochromogen
6P3C8H	Pos KM, HemaTrace	Pos KM, HemaTrace
6PKAGA	Pos LMG	Pos LMG
6PLX4F	Pos KM	Pos KM
6QGKCC	Pos KM	Pos KM
6QHCTT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
6VQQ7X	Pos FOB Test	Pos FOB test
72C86T	Pos KM	Pos KM
73QHYP	Pos O-tol	Pos O-tol
79RY8C	Pos KM	Pos KM
79TR6K	Pos HemaTrace	Pos HemaTrace
7AP2JV	Pos Hemastix (TMB), HemaTrace	Pos Hemastix (TMB), HemaTrace
7TXEKW	Pos LMG	Pos LMG
7VK28H	Pos KM, HemaTrace	Pos KM, HemaTrace
7XUW64	Pos O-tol	Pos O-tol
7XY4HX	Pos KM, HemaTrace	Pos KM, HemaTrace
7ZY8UX	Pos TMB	Pos TMB
829XG2	Pos RSID	Pos RSID
82NCTH	Pos KM	Pos KM
89MWYJ	Pos KM, HemaTrace	Pos
8A4TMC	Pos KM, TMB	Pos KM, TMB
8BGJWG	Pos KM, HemaTrace	Pos KM, HemaTrace
8CBCNT	Pos KM	Pos KM
8GKMKU	Pos KM, Hem	Pos KM, Hem
8PZQL8	Pos KM	Pos KM
8QVP7V	Pos KM, Seratec	Pos KM, Seratec
8R7N6B	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
8V63RZ	Pos KM	Pos KM
8V76QX	Pos KM, ABACard HemaTrace	Pos KM, ABACard HemaTrace
8WBG7T	Pos KM, HemaTrace	Pos KM, HemaTrace
8WHZA4	Pos LMG	Pos LMG
9B8999	Pos LMG	Pos LMG
9BDB8U	Pos KM, HemaTrace	Pos KM, HemaTrace
9EWXT8	Pos KM	Pos KM
9LENH3	Pos KM	Pos KM
9MMG92	Pos LMG	Pos LMG
9UMBEA	Pos KM, HemaTrace	Pos KM, HemaTrace
9UPZH7	Pos KM, HemaTrace	Pos KM, HemaTrace
A3VAGJ	Pos LMG	Pos LMG
A62FR4	Pos O-tol, hemdirect	Pos O-tol, hemdirect
AAT2MR	Pos KM	Pos KM
AF2QHY	Pos KM	Pos KM
AJGFH3	Pos KM	Pos KM
AKE4AT	Pos KM, Hemdirect	Pos KM, Hemdirect
AMKJMQ	Pos KM	Pos KM
ATTCNU	Pos KM, HemaTrace	Pos KM, HemaTrace
AU6NBK	Pos KM	Pos KM
AW8RY2	Pos O-tol	Pos O-tol
B2HY2Q	Pos KM	Pos KM
B92NXY	Pos LMG	Pos LMG
BAA3ZY	Pos KM	Pos KM
BB39NY	Pos HemaTrace	Pos HemaTrace
BL3WHG	Pos LMG	Pos LMG
BRWGJX	Pos LMG	Pos LMG
BXKF3D	Pos KM	Pos KM
C3LCWX	Pos KM	Pos KM
C3QJAR	Pos KM, Seratec HemDirect	Pos KM, Seratec HemDirect
C79EWW	Pos KM	Pos KM
CA3WXN	Pos KM	Pos KM
CE6LQJ	Pos Hemastix (TMB), HemaTrace	Pos Hemastix (TMB), HemaTrace
CEJFHX	Pos KM	Pos KM
CEYG6E	Pos HemaTrace	Pos HemaTrace



TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
CFVR33	Pos LMG	Pos LMG
CHHLQV	Pos KM, HemaTrace	Pos KM, HemaTrace
CJWT6K	Pos PTMB	Pos PTMB
CMCJD2	Pos KM	Pos KM
CMDFLB	Pos KM, HemaTrace	Pos KM, HemaTrace
CNKMWQ	Pos LMG	Pos LMG
CNPUAK	Pos O-tol	Pos O-tol
CPM4JP	Pos KM, HemDirect	Pos KM, HemDirect
CQBLGG	Pos LMG	Pos LMG
CVPEBF	Pos KM, HT	Pos KM, HT
CW2894	Pos KM	Pos KM
CW2GDZ	Pos KM	Pos KM
CWEMGB	Pos KM, HemaTrace	Pos KM, HemaTrace
CXVWQY	Pos KM, HemaTrace	Pos KM, HemaTrace
D349UV	Pos KM	Pos KM
DA42XJ	Pos O-tol	Pos O-tol
DA4XRM	Pos KM	Pos KM
DCPNQ7	Pos KM, TMB	Pos KM, TMB
DDQCFW	Pos KM	Pos KM
DUPRFN	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
E7VB7U	Pos O-tol	Pos O-tol
E7ZJJN	Pos KM, HemaTrace	Pos KM, HemaTrace
EAZN4V	Pos Hem-Check	Pos Hem-Check
EC6E9P	Pos LMG, HemaTrace	Pos LMG HemaTrace
EKYFTA	Pos Hemastix, KM	Pos Hemastix, KM
EPU4C2	Pos LMG	Pos LMG
ETBP3N	Pos KM, Hemdirect	Pos KM, Hemdirect
EU6X4X	Pos LMG	Pos LMG
EVJLQD	Pos KM	Pos KM
EYXCZE	Pos KM and HemaTrace	Pos KM and HemaTrace
F3YZUU	Pos KM, HemaTrace	Pos KM, HemaTrace
FB76UJ	Pos Combur (TMB), KM	Pos Combur (TMB), KM
FKUVHW	Pos LMG	Pos LMG
FMGAT8	Pos KM, HemaTrace	Pos KM, HemaTrace
FNWCZF	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
FUGH8L	Pos LMG	Pos LMG
FVDRLX	Pos KM	Pos KM
FWPJJK	Pos KM, HemDirect	Pos KM, HemDirect
FXHLXN	Pos LMG	Pos LMG
G9HTWY	Pos KM, HemaTrace	Pos KM, HemaTrace
GAUY6G	Pos KM/HemaTrace	Pos KM/HemaTrace
GBMZZ7	Pos KM	Pos KM
GELBV7	Pos Hemastix	Pos Hemastix
GKQ8JC	Pos Visual, PTMB	Pos Visual, PTMB
GMH9KU	Pos O-tol	Pos O-tol
GNQGUE	Pos KM, HemaTrace	Pos KM, HemaTrace
GQWYUV	Pos KM	Pos KM
GVP3G9	Pos O-tol	Pos O-tol
GWLN68	Pos HemaTrace	Pos HemaTrace
H3PBRL	Pos KM	Pos KM
H6D248	Pos Peroxtesmo, FOB	Pos Peroxtesmo, FOB
HGQGUC	Pos TMB (Hemastix) & HemaTrace	Pos TMB (Hemastix) & HemaTrace
HVP8UV	Pos KM	Pos KM
HZJP4L	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
J2PR7W	Pos KM	Pos KM
J4DK7Z	Pos KM/TMB	Pos KM/TMB
J4G8J8	Pos KM, HemaTrace	Pos KM, HemaTrace
J9V7BL	Pos KM	Pos KM
JBU82P	Pos KM	Pos KM
JCB7JU	Pos HT	Pos HT
JD8GEW	Pos KM	Pos KM
JFN7EZ	Pos KM	Pos KM
JG73Z8	Pos HemaTrace	Pos HemaTrace
JHW7P9	Pos KM, HemaTrace	Pos KM, HemaTrace
JJT4XL	Pos Visual, KM	Pos Visual, KM
JPWJV4	Pos KM, RSID	Pos KM, HemaTrace
JQA8XF	Pos KM	Pos KM
JUNPA7	Pos KM	Pos KM
JWJWMW	Pos KM	Pos KM
JZUNHA	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
K4BDD8	Pos KM, HemaTrace	Pos KM, HemaTrace
K6M3MB	Pos KM, HemaTrace	Pos KM, HemaTrace
K72EJV	Pos Hemastix	Pos Hemastix
K7F3H2	Pos KM; HemaTrace	Pos KM; HemaTrace
K96QCV	Pos KM	Pos KM
KGKTLX	Pos KM, LMG	Pos KM, LMG
KHWDJE	Pos LMG, HemaTrace	Pos LMG, HemaTrace
KNKVJN	Pos KM	Pos KM
KQ88KE	Pos Hemastix	Pos Hemastix
KTBK82	Pos KM, TMB	Pos KM, TMB
KTEQKV	Pos KM	Pos KM
KU3MUG	Pos KM	Pos KM
KYB7QN	Pos OBTI Hexagon test	Pos OBTI Hexagon test
KYFJKC	Pos O-tol	Pos O-tol
KZEEDF	Pos KM	Pos KM
L4AQKZ	Pos O-tol pos, HT pos	Pos KM pos, RSID pos
L7G7VC	Pos KM	Pos KM
L9EHMH	Pos LMG, HemaTrace	Pos LMG, HemaTrace
LBTY7B	Pos KM, HemaTrace	Pos KM, HemaTrace
LL9DZH	Pos KM	Pos KM
LNEFQ3	Pos O-tol, Seratec HemDirect	Pos O-tol, Seratec HemDirect
LNF74C	Pos KM	Pos KM
LNF8PA	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
LT83GM	Pos KM	Pos KM
LU4DGV	Pos KM	Pos KM
LU8B2M	Pos KM, HemaTrace	Pos KM, HemaTrace
LX3PCV	Pos KM	Pos KM
M7CZ72	Pos FOB	Pos FOB
MAB44F	Pos KM, HEM	Pos KM, HEM
MFYCJK	Pos LMG	Pos LMG
MM226E	Pos KM, HemDirect	Pos KM, HemDirect
MP3UPG	Pos KM	Pos KM
MP4226	Pos LMG	Pos LMG
MW74AC	Pos KM	Pos KM
MWKKGX	Pos KM, TMB	Pos KM, TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
MYAYRT	Pos KM	Pos KM
MYBVZ4	Pos KM, HemaTrace	Pos KM, HemaTrace
MYPQQH	Pos Combur (TMB), KM	Pos Combur (TMB), KM
N8X2NV	Pos KM	Pos KM
N8YUL3	Pos KM, HT	Pos KM, HT
N9DDB7	Pos KM, HEM	Pos KM, HEM
NB46BW	Pos O-tol, HemaTrace	Pos KM, RSID
NJWM2L	Pos KM, HemaTrace	Pos KM, HemaTrace
NKNGKN	Pos KM	Pos KM
NPWDWW	Pos HemaTrace, KM	Pos HemaTrace, KM
NRAAWM	Pos Hemochromogen	Pos TMB (positive), Hemochromogen (negative)
NV6Q3A	Pos LMG, HemaTrace	Pos LMG, HemaTrace
NVLUPA	Pos O-tol	Pos O-tol
NWGLDF	Pos LMG, Ouchterlony	Pos LMG, Ouchterlony
NZZKYB	Pos KM	Pos KM
P3LN6M	Pos KM, HemaTrace	Pos KM, HemaTrace
PBXUVY	Pos KM, HemaTrace	Pos KM, HemaTrace
PPFDYZ	Pos KM and HemaTrace	Pos KM and HemaTrace
PQ7TXB	Pos KM, HemaTrace	Pos KM, HemaTrace
PQU8PE	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
PRJCQK	Pos KM	Pos KM
PTUA43	Pos KM, HemaTrace	Pos KM, HemaTrace
Q6MJFU	Pos O-tol, HemaTrace	Pos KM, RSID
Q7K6FV	Pos O-tol, HemaTrace	Pos KM, RSID
Q8EDEK	Pos KM	Pos KM
QCMX3G	Pos LMG	Pos LMG
QEBPF3	Pos LMG	Pos LMG
QGB86G	Pos KM, Leuco Crystal Violet	Pos KM, Leuco Crystal Violet
QGVQCA	Pos KM, HemaTrace	Pos KM, HemaTrace
QNE7LY	Pos RSID	Pos RSID
QPWGYQ	Pos O-tol	Pos O-tol
RACTA9	Pos KM	Pos KM
RAZ2E7	Pos O-tol	Pos O-tol
RBANMP	Pos O-tol	Pos O-tol
RCHBAP	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
RCJ9JY	Pos KM, HemaTrace	Pos KM, HemaTrace
RF2XXM	Pos KM, HT	Pos KM, HT
RFHL7P	Pos HemaTrace	Pos HemaTrace
RGAPQJ	Pos KM, HemaTrace	Pos KM, HemaTrace
RLN829	Pos ALS, LMG, HemaTrace	Pos ALS, LMG, HemaTrace
RLPHYH	Pos KM	Pos KM
RNQARA	Pos LMG	Pos LMG
RPQJ4L	Pos KM, Takayama	Pos KM, Takayama
RQLJ7L	Pos KM	Pos KM
RRVQBY	Pos HemaTrace	Pos HemaTrace
RUJ6YA	Pos SERATEC HEM -ALS	Pos SERATEC HEM - ALS
T82ZJJ	Pos KM	Pos KM
T9D7R2	Pos KM	Pos KM
TANXVB	Pos LMG, HemaTrace	Pos LMG, HemaTrace
TBKKGf	Pos KM	Pos KM
TDNARB	Pos LMG	Pos LMG
TDTG66	Pos O-tol, HemaTrace	Pos O-tol,
TFFGHK	Pos KM, HemaTrace	Pos KM, HemaTrace
TGRLPG	Pos KM	Pos KM
TTMPXH	Pos KM	Pos KM
TWALV3	Pos KM, HemaTrace	Pos KM, HemaTrace
TXWQEE	Pos KM and Combur (TMB)	Pos KM and Combur (TMB)
TZ4HH9	Pos KM, HemaTrace	Pos KM, HemaTrace
U3L79Y	Pos KM	Pos KM
U9W7T6	Pos KM	Pos KM
UA96ME	Pos KM	Pos KM
UG7LCY	Pos KM	Pos KM
UJRJNV	Pos KM	Pos KM
URQ7HG	Pos KM, HemaTrace	Pos KM, HemaTrace
UTK3EH	Pos KM	Pos KM
UXXGTV	Pos O-tol	Pos O-tol
V2CEXX	Pos KM	Pos KM
VDKJKJ	Pos Hemastix	Pos Hemastix
VFRP97	Pos KM	Pos KM, Luminol
VHBQ6D	Pos O-tol, HemDirect	Pos O-tol, HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
VHF4WF	Pos KM, HemaTrace	Pos KM, HemaTrace
VN3RT7	Pos IR Light, Luminol, Phen	Pos IR Light, Luminol, Phen
VQ443R	Pos KM	Pos KM
VRKX6M	Pos LMG	Pos LMG
VTE88H	Pos KM	Pos KM
VWJJND	Pos KM	Pos KM
W4EML9	Pos KM, HemaTrace	Pos KM, HemaTrace
W68KWZ	Pos KM, HemaTrace	Pos KM, HemaTrace
WBXV7X	Pos TMB	Pos TMB
WHB4B7	Pos KM, HemaTrace	Pos KM, HemaTrace
WHEQND	Pos KM, HemDirect	Pos KM, HemDirect
WHVMGD	Pos KM	Pos KM
WJPF4J	Pos LMG	Pos LMG
WL9KLE	Pos KM, HemaTrace	Pos KM, HemaTrace
WM3DGX	Pos KM and HemaTrace	Pos KM and HemaTrace
WNK6T4	Pos KM	Pos KM
WQLXD8	Pos KM, HemaTrace	Pos KM, HemaTrace
WRJFN4	Pos KM	Pos KM
WZ9BGR	Pos KM, HemaTrace	Pos KM, HemaTrace
WZEJUL	Pos HemaTrace	Pos HemaTrace
XAEDHH	Pos Hemastix	Pos Hemastix
XC33LW	Pos KM, HemDirect	Pos KM, HemDirect
XF3DHV	Pos KM, HEM	Pos KM, HEM
XF742D	Pos KM	Pos KM
XGTJUF	Pos LMG	Pos LMG
XM7KCJ	Pos O-tol	Pos O-tol
XNGZTK	Pos KM	Pos KM
XT6V34	Pos OT, HemDirect	Pos OT, HemDirect
XULTV4	Pos LMG, HemaTrace	Pos LMG, HemaTrace
XUYX8D	Pos KM	Pos KM
XXY94D	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
Y6GCVU	Pos KM	Pos KM
Y6TBNH	Pos LMG	Pos LMG
Y847EG	Pos KM	Pos KM
YGBRKY	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
YH8QU9	Pos LMG	Pos LMG
YUE9BX	Pos KM, HemaTrace	Pos KM, HemaTrace
YVQQPW	Pos KM	Pos KM
Z3PRAM	Pos KM, HemaTrace	Pos KM, HemaTrace
ZEZVJ6	Pos KM	Pos KM, ABACard HemaTrace
ZG6XEU	Pos KM	Pos KM
ZJC9BX	Pos KM	Pos KM
ZK697N	Pos Hemochromogen	Pos Hemochromogen
ZMBMZ9	Pos KM	Pos KM
ZQAZLD	Pos KM, HemaTrace	Pos KM, HemaTrace
ZQCL78	Pos RSID	Pos RSID
ZT7JZE	Pos O-tol, HemDirect	Pos O-tol, HemDirect
ZW3ZZ9	Pos KM	Pos KM

Table 1a: Serology Screening Response Summary - Blood		Participants: 326	
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	326	326	
Negative	0	0	
Inconclusive	0	0	
Not Tested (NT)	0	0	
Not Reported	0	0	

# 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
224KEP	Neg PSA	Neg PSA
29UGFE	Neg AP, PSA, Micro	Neg AP, PSA, Micro
2AKYJF	Neg AP	Neg AP
2BEXJZ	Neg ALS, AP, Micro	Neg ALS, AP
2BYGP8	Neg AP	Neg AP
2C8U79	Neg ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
2HVHGK	Neg ALS	Neg ALS
2HYXZC	Neg AP	Neg AP
2R6T9J	Neg PSA	Neg PSA
32LEP6	Neg AP, PSA	Neg AP, PSA
36LQL4	Neg AP, PSA	Neg AP, PSA
3EEWJC	Neg AP, Micro, ABACardp30	Neg AP, Micro, ABACardp30
3HA8FQ	Neg AP	Neg AP
3HPNEP	Neg AP, Micro	Neg AP, Micro
3U77FA	Neg AP	Neg AP
4473RB	Neg RSID Semen	Neg RSID Semen
4LNYAP	Neg AP, Micro	Neg AP, Micro
4PP6MB	Neg PSA	Neg PSA
4PRXJX	Neg RSID	Neg RSID
4VE4D4	Neg ALS, AP	Neg ALS, AP
4X2JBX	Neg AP, Micro, RSID Semen	Neg AP
62X9QJ	Neg ALS, Micro, PSA	Neg ALS, Micro, PSA
62XG94	Neg PSA	Neg PSA
63BWTW	Neg AP, Micro, RSID	Neg AP
66C6RE	Neg AP	Neg AP
6NA9VB	Neg AP	Neg AP
6P3C8H	Neg AP, PSA, Micro	Neg AP, PSA, Micro
6PKAGA	Neg AP	Neg AP
6QGKCC	Neg AP	Neg AP
6VQQ7X	Neg PSA	Neg PSA
72C86T	Neg ALS, AP, Micro	Neg ALS, AP, Micro
73QHYP	Neg AP	Neg AP



TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
79RY8C	Neg AP	Neg AP
7AP2JV	Neg AP	Neg AP
7VK28H	Neg Micro, AP, PSA	Neg Micro, AP, PSA
7XUW64	Neg AP	Neg AP
829XG2	Neg PSA	Neg PSA
89MWYJ	Neg AP	Neg
8A4TMC	Neg AP	Neg AP
8BGJWG	Neg AP, Micro, PSA	Neg AP, Micro, PSA
8GKMKU	Neg AP, Micro, RSID	Neg AP
8PZQL8	Neg AP, Christmas Tree Stain (Micro)	Neg AP, Christmas Tree Stain (Micro)
8QVP7V	Neg AP, Micro, RSID	Neg AP
9B8999	Neg RSID Semen	Neg RSID Semen
9EWXT8	Neg AP/Micro	Neg AP/Micro
9UMBEA	Neg PSA	Neg PSA
A3VAGJ	Neg AP	Neg AP
A62FR4	Neg AP, Micro	Neg AP, Micro
AAT2MR	Neg AP, Micro	Neg AP, Micro
AKE4AT	Neg AP, Micro, RSID	Neg AP
AMKJMQ	Neg ALS, AP, Micro	Neg ALS, AP, Micro
ATTCNU	Neg AP, ALS	Neg AP, RSID Semen
AU6NBK	Neg AP, Micro	Neg AP, Micro
AW8RY2	Neg ALS, AP	Neg ALS, AP
B2HY2Q	Neg AP, Micro	Neg AP, Micro
B92NXY	Neg AP	Neg AP
BB39NY	NT	Neg ALS, AP, PSA, Micro
BL3WHG	Neg AP	Neg AP
BRWGJX	Neg AP	Neg AP
BXKF3D	Neg ALS, Microscopic, PSA	Neg ALS, Microscopic, PSA
C3QJAR	Neg ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
CE6LQJ	Neg ALS, AP	Neg ALS, AP
CEYG6E	Neg p30	Neg p30
CJWT6K	Neg AP	Neg AP
CMCJD2	Neg AP	Neg AP
CMDFLB	Neg AP, PSA, Micro	Neg AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
CNPUAK	Neg AP	Neg AP
CPM4JP	Neg AP, Micro, RSID Semen	Neg AP
CQBLGG	Neg AP	Neg AP
CVPEBF	Neg AP, Micro, PSA	Neg AP, Micro
DCPNQ7	Neg AP	Neg AP
DUPRFN	Neg AP	Neg AP
E7VB7U	Neg AP	Neg AP
EC6E9P	Neg AP, PSA, Micro	Neg AP, PSA, Micro
EKYFTA	Neg AP, PSA	Neg AP, PSA
ETBP3N	Neg AP, Micro, RSID	Neg AP
EVJLQD	Neg ALS, AP	Neg ALS, AP
F3YZUU	Neg AP, Micro, PSA	Neg AP, Micro, PSA
FB76UJ	Neg AP, PSA	Neg AP, PSA
FMGAT8	Neg AP, PSA, Micro	Neg AP, PSA, Micro
FWPJJK	Neg AP, Micro, RSID	Neg AP
FXHLXN	Neg PSA, AP, Micro	Neg PSA, AP, Micro
GBMZZ7	NT	Neg AP, RSID
GKQ8JC	Neg AP	Neg AP
GMH9KU	Neg ALS, AP, Micro	Neg ALS, AP, Micro, PSA
GQWYUV	Neg PSA	Neg PSA
GVP3G9	Neg ALS	Neg ALS, AP
GWLN68	Neg RSID, p30, Fast blue B	Neg RSID, p30, Fast blue B
H6D248	Neg Phosphatesmo, PSA	Neg Phosphatesmo, PSA
HGQGUC	Neg AP & ALS	Neg AP & ALS
HVP8UV	Neg AP, p30, Micro	Neg AP, p30, Micro
HZJP4L	Neg AP, p30	Neg AP, p30, Micro
J2PR7W	Neg AP, Micro, PSA	Neg AP, Micro, PSA
J4DK7Z	Neg AP	Neg AP
J4G8J8	Neg PSA, Micro	Neg PSA, Micro
J9V7BL	Neg AP	Neg AP
JD8GEW	Neg PSA	Neg PSA
JG73Z8	Neg AP	Neg AP
JHW7P9	Neg PSA, Micro	Neg PSA, Micro
JJT4XL	Neg AP	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
JQA8XF	<b>Neg</b> AP, Micro, ALS	<b>Neg</b> AP, Micro, ALS
JUNPA7	<b>Neg</b> ALS, Micro, p30	<b>Neg</b> ALS, Micro, p30
JWJWMW	<b>Neg</b> AP, Micro	<b>Neg</b> AP, Micro
K4BDD8	<b>Neg</b> PSA, Micro	<b>Neg</b> PSA, Micro
K72EJV	<b>NT</b>	<b>Neg</b> AP
K96QCV	<b>Neg</b> AP, Micro, ALS	<b>Neg</b> AP, Micro, ALS
KGKTLX	<b>Neg</b> ALS, AP, PSA, Micro	<b>Neg</b> ALS, AP, PSA, Micro
KQ88KE	<b>Neg</b> AP, RSID Semen	<b>Neg</b> AP, RSID Semen
KTBK82	<b>Neg</b> AP	<b>Neg</b> AP
KTEQKV	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> AP, Micro, PSA
KYB7QN	<b>Neg</b> PSA	<b>Neg</b> PSA
KYFJKC	<b>Neg</b> AP	<b>Neg</b> AP
KZEEDF	<b>Neg</b> AP, Micro, ALS	<b>Neg</b> AP, Micro, ALS
L9EHMH	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> AP, Micro, PSA
LNEFQ3	<b>Neg</b> AP, Seratec PSA Semiquant, Micro	<b>Neg</b> AP, Seratec PSA Semiquant, Micro
LNF8PA	<b>Neg</b> AP, PSA	<b>Neg</b> AP, PSA
LU4DGV	<b>Neg</b> AP, Micro	<b>Neg</b> AP, Micro
LU8B2M	<b>Neg</b> AP	<b>Neg</b> AP
LX3PCV	<b>Neg</b> AP, ALS, Micro	<b>Neg</b> AP, ALS, Micro
M7CZ72	<b>Neg</b> PSA, RSID, AP	<b>Neg</b> PSA, AP, RSID
MAB44F	<b>Neg</b> AP, Micro, RSID	<b>Neg</b> AP
MFYCJK	<b>Neg</b> AP	<b>Neg</b> AP
MM226E	<b>Neg</b> AP, Micro, RSID	<b>Neg</b> AP
MP4226	<b>Neg</b> AP	<b>Neg</b> AP
MW74AC	<b>Neg</b> AP	<b>Neg</b> AP
MWKKGX	<b>Neg</b> AP	<b>Neg</b> AP
MYBVZ4	<b>Neg</b> AP, Micro, PSA	<b>Neg</b> AP, Micro, PSA
MYPQQH	<b>Neg</b> AP, PSA	<b>Neg</b> AP, PSA
N8X2NV	<b>Neg</b> AP	<b>Neg</b> AP
N8YUL3	<b>Neg</b> AP	<b>Neg</b> AP
N9DDB7	<b>Neg</b> AP, Micro, RSID	<b>Neg</b> AP
NJWM2L	<b>Neg</b> ALS	<b>Neg</b> ALS, AP
NKNGKN	<b>NT</b>	<b>Neg</b> ALS, AP
NPWDWW	<b>Neg</b> Micro, PSA	<b>Neg</b> Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
P3LN6M	Neg p30	Neg p30
PPFDYZ	Neg AP, PSA, and Micro	Neg AP, PSA, and Micro
PQU8PE	Neg AP, p30, Micro	Neg AP, p30, Micro
PTUA43	Neg AP, Micro, PSA	Neg AP, Micro, PSA
QEBPF3	Neg AP	Neg AP
QGB86G	Neg PSA, AP, RSID, ALS	Neg PSA, AP, RSID, ALS
QPWGYQ	Neg ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
RAZ2E7	Neg AP	Neg AP
RBANMP	Neg AP, PSA, Micro, ALS	Neg AP, PSA, Micro, ALS
RCHBAP	Neg AP	Neg AP
RCJ9JY	Neg AP, PSA, Micro	Neg AP, PSA, Micro
RF2XXM	Neg AP, Micro, p30	Neg AP, Micro, p30
RQLJ7L	Neg AP, PSA, Micro	Neg AP, PSA, Micro
RUJ6YA	Neg ALS-AP-PSA	Neg ALS-AP-PSA-Micro
T9D7R2	Neg AP, Micro	Neg AP, Micro
TDTG66	Neg AP	Neg AP, PSA
TFFGHK	Neg AP, p30, Micro	Neg AP, p30, Micro
TXWQEE	Neg AP, PSA	Neg AP, PSA
TZ4HH9	Neg AP, Micro, RSID	Neg AP
U3L79Y	Neg ALS, AP	Neg ALS, AP
UJRJNV	Neg AP	Neg AP
URQ7HG	Neg AP	Neg AP
UXXGTV	Neg ALS	Neg ALS, AP
V2CEXX	Neg ALS, Micro, PSA	Neg ALS, Micro, PSA
VFRP97	Neg AP, Micro, ALS	Neg AP
VHBQ6D	Neg AP	Neg AP
VHF4WF	Neg AP	Neg AP
VN3RT7	Neg ALS, AP, Micro	Neg ALS, AP, Micro
VQ443R	Neg AP	Neg AP
VRKX6M	Neg RSID Semen	Neg RSID Semen
VTE88H	Neg AP	Neg AP
WBXV7X	Neg ALS, AP	Neg ALS, AP
WHEQND	Neg AP, Micro	Neg AP, Micro
WL9KLE	Neg AP	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
WQLXD8	NT	Neg AP, ALS
XAEDHH	NT	Neg ALS, AP
XC33LW	Neg AP, Microscopic, RSID	Neg AP
XF3DHV	Neg AP, Micro, RSID	Neg AP
XGTJUF	Neg PSA	Neg PSA
XM7KCJ	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
XT6V34	Neg AP, PSA	Neg AP, PSA
XULTV4	Neg AP, PSA, Micro	Neg AP, PSA, Micro
XXY94D	Neg PSA, AP	Neg PSA, AP
Y6TBNH	Neg RSID, PSA	Neg RSID, PSA
YGBRKV	Neg AP, Micro	Neg AP, Micro
YVQQPW	Neg AP, Micro	Neg AP, Micro
Z3PRAM	Neg PSA, AP, Micro	Neg PSA, AP, Micro
ZT7JZE	Neg AP, Micro, ALS	Neg AP, Micro, ALS

Table 1b: Serology Screening Response Summary - Semen			Participants: 182
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	176	182	
Inconclusive	0	0	
Not Tested (NT)	6	0	
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
224KEP	Neg RSID	Neg RSID
226HPK	Neg ALS	Neg ALS, RSID
2BYGP8	Neg RSID Saliva	Neg RSID Saliva
2C8U79	Neg ALS, Phadebas	Neg ALS, Phadebas
2HYXZC	Neg RSID	Neg RSID
2R6T9J	Neg RSID	Neg RSID
32LEP6	Neg Phadebas	Neg Phadebas
36LQL4	Neg Phadebas	Neg Phadebas
3EEWJC	Neg SALIgAE	Neg SALIgAE
4PRXJX	Neg RSID	Neg RSID
6P3C8H	Neg Phadebas	Neg Phadebas
6VQQ7X	Neg RSID-Saliva	Neg RSID-Saliva
72C86T	Neg Phadebas	Neg Phadebas
7AP2JV	Neg RSID Saliva	Neg RSID Saliva
7VK28H	Neg Phadebas	Neg Phadebas
8BGJWG	Neg Phadebas	Neg Phadebas
8PZQL8	Neg RSID Saliva	Neg RSID Saliva
9B8999	Neg RSID Saliva	Neg RSID Saliva
9EWXT8	Neg RSID	Neg RSID
A3VAGJ	Neg RSID	Neg RSID
AMKJMQ	Neg ALS, Phadebas	Neg ALS, Phadebas
ATTCNU	NT	Neg RSID Saliva
BL3WHG	Neg RSID	Neg RSID
C3QJAR	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
CMDFLB	Neg Phadebas	Neg Phadebas
CQBLGG	Neg	Neg
CVPEBF	Neg Phadebas	Neg Phadebas
DUPRFN	Neg RSID	Neg RSID
F3YZUU	Neg Phadebas	Neg Phadebas
FB76UJ	Neg Phadebas	Neg Phadebas
FMGAT8	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
GBMZZ7	NT	Neg RSID
GWLN68	Neg RSID	Neg RSID
H6D248	Neg RSID Saliva	Neg RSID Saliva
HZJP4L	Neg RSID-Saliva	Neg RSID-Saliva
J2PR7W	Neg Amylase Diffusion plate	Neg Amylase Diffusion plate
J4G8J8	Neg RSID	Neg RSID
J9V7BL	Neg Phadebas (press)	Neg Phadebas (press)
JHW7P9	Neg RSID	Neg RSID
JJT4XL	Neg Phadebas press	Neg Phadebas press
JQA8XF	Neg Phadebas, ALS	Neg Phadebas, ALS
JWJWMW	Neg RSID	Neg RSID
K4BDD8	Neg RSID	Neg RSID
K72EJV	NT	Neg RSID
K96QCV	Neg RSID	Neg RSID
KGKTLX	Neg SALIgAE	Neg SALIgAE
KQ88KE	Neg RSID Saliva	Neg RSID Saliva
KYB7QN	Neg Seratec Amylase test	Neg Seratec Amylase test
KZEEDF	Neg Phadebas, ALS	Neg Phadebas, ALS
LNEFQ3	Neg Seratec Amylase	Neg Seratec Amylase
LNF8PA	Neg RSID-Saliva	Neg RSID-Saliva
LU4DGV	Neg RSID	Neg RSID
LU8B2M	Neg RSID Saliva	Neg RSID Saliva
LX3PCV	Pos RSID	Pos RSID
M7CZ72	Neg RSID	Neg RSID
MP4226	Neg RSID Saliva	Neg RSID Saliva
MYBVZ4	Neg Phadebas	Neg Phadebas
MYPQQH	Neg Phadebas	Neg Phadebas
N8YUL3	Neg RSID	Neg RSID
NJWM2L	NT	Neg Phadebas
NPWDWW	Neg RSID	Neg RSID
NWGLDF	Neg Radial Diffusion	Neg Radial Diffusion
PPFDYZ	Neg Phadebas	Neg Phadebas
PQU8PE	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
PTUA43	Neg Phadebas	Neg Phadebas
QEBPF3	Neg RSID Saliva	Neg RSID Saliva
QGB86G	Neg SALIgAE, ALS, RSID	Neg SALIgAE, ALS, RSID
QPWGYQ	Neg ALS, alpha-Amylase	Neg ALS, alpha-Amylase
RBANMP	Neg Seratec Amylase, ALS	Neg Seratec Amylase, ALS
RCJ9JY	Neg Phadebas	Neg Phadebas
RF2XXM	Neg SALIgAE, Micro	Neg SALIgAE, Micro
RQLJ7L	Neg Phadebas	Neg Phadebas
TFFGHK	Neg SALIgAE	Neg SALIgAE
TXWQEE	Neg Phadebas	Neg Phadebas
VHBQ6D	Neg SeraTec Amylase card	Neg SeraTec Amylase card
VHF4WF	Neg RSID	Neg RSID
VN3RT7	Neg Amylase Diffusion	Neg Amylase Diffusion
WHEQND	Neg RSID Saliva	Neg RSID Saliva
WL9KLE	Neg RSID-Saliva	Neg RSID-Saliva
XM7KCJ	Neg Seratec Amylase	Neg Seratec Amylase
XT6V34	Neg RSID	Neg RSID
XXY94D	Neg Phadebas	Neg Phadebas
Z3PRAM	Neg Phadebas	Neg Phadebas

**Table 1c: Serology Screening Response Summary - Saliva**Participants: **83**

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>1</b>	<b>1</b>
Negative	<b>78</b>	<b>82</b>
Inconclusive	<b>0</b>	<b>0</b>
Not Tested (NT)	<b>4</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 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
2BEXJZ	Pos HemDirect	NT
2BYGP8	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
2D3AGK	NT	Pos RSID
32LEP6	Pos Quant Trio	Pos Quant Trio
36LQL4	Pos Quant Trio	Pos Quant Trio
3EEWJC	Pos HemaTrace	Pos HemaTrace
3U77FA	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
4WCE98	Pos RSID-Blood	Pos RSID-Blood
4X2JBX	Pos Y-Screening	Pos Y-Screening
62XG94	Pos OBTI	Pos OBTI
63BWTW	Pos Y Screening	Pos Y Screening
72C86T	Pos QuantTrio	Pos QuantTrio
7AP2JV	Pos Quant	Pos Quant
829XG2	Pos RSID	Pos RSID
8GKMKU	Pos	Pos
8QVP7V	Pos	Pos
8V63RZ	Pos Powerquant	Pos Powerquant
8V76QX	Pos ABACard HemaTrace	Pos ABACard HemaTrace
8WHZA4	Pos RSID-Blood	Pos RSID-Blood
AKE4AT	Pos	Pos
AMKJMQ	Pos Quantifiler Trio	Pos Quantifiler Trio
ATTCNU	Pos HemaTrace	Pos HemaTrace
CHHLQV	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
CPM4JP	Pos Casework Direct	Pos Casework Direct
CQBLGG	Pos	Pos
CVPEBF	Pos Quant Trio	Pos Quant Trio
CW2GDZ	Pos ABACard HemaTrace	NT
CXVQY	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
DA42XJ	Pos HemaTrace	Pos HemaTrace
DDQCFW	Pos PowerQuant	Pos PowerQuant
DUPRFN	Pos Quant	Pos Quant
ETBP3N	Pos	Pos
EU6X4X	Pos RSID Blood	Pos RSID Blood

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
FB76UJ	Pos Quant Trio	Pos Quant Trio
FKUVHW	Pos RSID	Pos RSID
FUGH8L	Pos Quant Trio	Pos Quant Trio
FWPJJK	Pos	Pos
G9HTWY	Pos HemaTrace	Pos HemaTrace
H3PBRL	Pos ABACard	Pos ABACard
HZJP4L	Pos DNA, HemaTrace	Pos DNA, HemaTrace
J9V7BL	Pos ABACard HemaTrace	Pos ABACard HemaTrace
JBU82P	Pos PowerQuant	Pos PowerQuant
JJT4XL	Pos ABACard HemaTrace	Pos ABACard HemaTrace
JPWJV4	Pos RSID	NT
JQA8XF	Pos Quant Trio	Pos Quant Trio
KGKTLX	Pos HemaTrace	Pos HemaTrace
KU3MUG	Pos Quantifiler Trio	Pos Quantifiler Trio
KYB7QN	Pos	Pos
KZEEDF	Pos Quant Trio	Pos Quant Trio
LL9DZH	Pos ABACard® HemaTrace®	Pos ABACard® HemaTrace®
LNEFQ3	Pos Seratec HemDirect	Pos Seratec HemDirect
LNF8PA	Pos HemaTrace	Pos HemaTrace
LU8B2M	Pos PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
M7CZ72	NT STR	NT STR
M88H84	Pos AU-STR profiling	Pos AU-STR profiling
MAB44F	Pos	Pos
MM226E	Pos	Pos
MP3UPG	Pos ABACard HemaTrace	Pos ABACard HemaTrace
MYPQQH	Pos Quant Trio	Pos Quant Trio
N9DDB7	Pos Y-screen	Pos Y-screen
NB46BW	NT	Pos RSID-Blood
NJWM2L	Pos PowerQuant	Pos PowerQuant
NVLUPA	Pos RSID	
NWGLDF	Pos Ouchterlony, Quant Trio	Pos Ouchterlony, Quant Trio
PQU8PE	Pos HemaTrace, Hemastix, DNA	Pos HemaTrace, Hemastix, DNA
Q6MJFU	NT	Pos RSID
Q7K6FV	NT	Pos RSID

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
QGB86G	Pos ABACard HemaTrace, Sratec HemDirect Hemoglobin	Pos ABACard HemaTrace, Sratec HemDirect Hemoglobin
QNE7LY	Pos RSID	Pos RSID
RAZ2E7	Pos RSID HemaTrace	Pos RSID HemaTrace
RF2XXM	Pos HT	Pos HT
RNQARA	Pos HemaTrace, Quant TRIO	Pos HemaTrace, Quant TRIO
TANXVB	Pos HemaTrace, Quant trio	Pos HemaTrace, Quant trio
TDNARB	Pos Quant Trio	Pos Quant Trio
TDTG66	Pos HemaTrace	NT
TFFGHK	Pos HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
TXWQEE	Pos Quant Trio	Pos Quant Trio
TZ4HH9	Pos	Pos
UA96ME	Pos PowerQuant	Pos PowerQuant
URQ7HG	Pos HemaTrace, Powerquant	Pos HemaTrace, Powerquant
VFRP97	NT	Pos Hemdirect
VHF4WF	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
VN3RT7	Pos HemDirect	NT
VQ443R	Pos HemaTrace	Pos HemaTrace
WHVMGD	Pos Power Quant	Pos Power Quant
WL9KLE	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
XC33LW	Pos	Pos
XF3DHV	Pos Yscreen	Pos Yscreen
XT6V34	Pos	Pos
XXY94D	Pos Quantifiler Trio	Pos Quantifiler Trio
ZEZVJ6	Pos ABACard HemaTrace	Pos ABACard Hemtrace
ZMBMZ9	Pos PowerQuant	Pos PowerQuant
ZW3ZZ9	Pos PowerQuant	Pos PowerQuant

Table 1d: Serology Screening Response Summary - Human Origin		Participants: 93	
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	87	86	
Negative	0	0	
Inconclusive	0	0	
Not Tested (NT)	6	6	
Not Reported	0	1	

# 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
32LEP6	Pos Quant Trio	Neg Quant Trio
36LQL4	Pos Quant Trio	Neg Quant Trio
3EEWJC	Pos Quantifiler Trio	Neg Quantifiler Trio
4CLU4V	Pos TRIO	Neg TRIO
4X2JBX	Pos Y-Screening	Neg Y-Screening
63BWTW	Pos Y Screening	Neg Y Screening
7AP2JV	Pos Quant	Neg Quant
8GKMKU	Pos	Neg
8QVP7V	Pos	Neg
8V76QX	Pos Plexor HY	Neg Plexor HY
A3E9HM	Pos Quant Trio	Neg Quant Trio
AKE4AT	Pos	Neg
ATTCNU	Pos Quantifiler Trio Y result	Neg Quantifiler Trio Y result
CPM4JP	Pos Casework Direct	Neg Casework Direct
CVPEBF	Pos Quant Trio	Neg Quant Trio
CW2GDZ	Pos Plexor HY	Neg Plexor HY
DA42XJ	Pos Quantifiler Duo	Neg Quantifiler Duo
DUPRFN	Pos Quant	Neg Quant
ETBP3N	Pos	Neg
FB76UJ	Pos Quant Trio	Neg Quant Trio
FUGH8L	Pos Quant Trio	Neg Quant Trio
FWPJJK	Pos	Neg
GMGWY6	Pos NaOH Y screen	Inc NaOH Y screen
GWN939	Pos Promega Casework Direct	Neg Promega Casework Direct
H3PBRL	Pos Plexor HY	Neg Plexor HY
H9UJ8A	Pos Promega Casework Direct Kit	Neg Promega Casework Direct Kit
J4G8J8	Pos	Neg
J9V7BL	Pos Plexor HY	Neg Plexor HY
JHW7P9	Pos	Neg
JJT4XL	Pos Plexor HY	Neg Plexor HY
K4BDD8	Pos	Neg
L7G7VC	Pos TRIO	Neg TRIO
LL9DZH	Pos Plexor® HY	Neg Plexor® HY
LN88PA	Pos Quantiplex	Neg Quantiplex
M7CZ72	Pos Y STR	Neg Y STR

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
M88H84	<b>Pos</b> Y-STR profiling + Amelogenin	<b>Neg</b> Y-STR profiling + Amelogenin
MAB44F	<b>Pos</b>	<b>Neg</b>
MM226E	<b>Pos</b>	<b>Neg</b>
MP3UPG	<b>Pos</b> PlexorHY	<b>Neg</b> PlexorHY
MW74AC	<b>Pos</b> Quantifiler Trio	<b>Neg</b> Quantifiler Trio
MYPQQH	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
N9DDB7	<b>Pos</b> Y-screen	<b>Neg</b> Y-screen
NB46BW	<b>Pos</b> NaOH	<b>Inc</b> NaOH
NPWDWW	<b>Pos</b> Promega PowerQuant	<b>Neg</b> Promega PowerQuant
NWGLDF	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
NZZKYB	<b>Pos</b> TRIO	<b>Neg</b> TRIO
Q6MJFU	<b>Pos</b> NaOH screen	<b>Inc</b> NAOH screen
RF2XXM	<b>Pos</b> Quantifiler Trio	<b>Neg</b> Quantifiler Trio
RNQARA	<b>Pos</b> Quant TRIO	<b>Neg</b> Quant TRIO
RPQJ4L	<b>Pos</b> Quantifiler Trio	<b>Neg</b> Quantifiler Trio
RQLJ7L	<b>Pos</b> NaOH lysis	<b>Neg</b> NaOH lysis
RTLUIZZ	<b>Pos</b>	<b>Neg</b>
TANXVB	<b>Pos</b> Quant trio	<b>Neg</b> Quant trio
TDNARB	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
TFFGHK	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
TQXTK4	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
TXWQEE	<b>Pos</b> Quant Trio	<b>Neg</b> Quant Trio
TZ4HH9	<b>Pos</b>	<b>Neg</b>
U9W7T6	<b>Pos</b> TRIO	<b>Neg</b> TRIO
UJRJNV	<b>Pos</b> Promega Casework Direct Kit	<b>Neg</b> Promega Casework Direct Kit
VPEQLU	<b>Pos</b> Promega Casework Direct Kit	<b>Neg</b> Promega Casework Direct Kit
XC33LW	<b>Pos</b>	<b>Neg</b>
XF3DHV	<b>Pos</b> Yscreen	<b>Neg</b> Yscreen
XXY94D	<b>Pos</b> Quantifiler Trio	<b>Neg</b> Quantifiler trio
ZEZVJ6	<b>Pos</b> Plexor HY	<b>Neg</b> Plexor HY

**Table 1e: Serology Screening Response Summary - Y Screening**Participants: **65**

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

	<b>Item 3</b>	<b>Item 4</b>
Positive	<b>65</b>	<b>0</b>
Negative	<b>0</b>	<b>62</b>
Inconclusive	<b>0</b>	<b>3</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		
62XG94	crime lite	Neg	ALS	Crime lite	Neg	ALS
FKUVHW	Human Blood	Pos	RSID	Human Blood	Pos	RSID

# 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

224KEP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
226HPK	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
29UGFE	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
2AKYJF	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
2BEXJZ	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
2BYGP8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

Item 1 - STR Results

2D3AGK	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
2HVHGK	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
2HYZC	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
2NJ22M	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
2R6T9J	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
32LEP6	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
368QFG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	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

36LQL4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
3DFVE6	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
3DXCLE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
3EEWJC	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
3HA8FQ	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
3HPNEP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
3U77FA	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

3UPFFH	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4473RB	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
46GLN8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
47EX68	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
47VMJ2	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
48VQM6	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4CLU4V	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

4LNYAP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4M4GAP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4PP6MB	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
4PRXJX	NGM SElect					
	14,17.3	19,21	10,11	15,16		
1		14,14	14,18	17,26		13,14
	15,19	12.2,15	30,32.2	11,16	X,X	
	21,26			12.2,16	9,9.3	
	14,16					
4VE4D4	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4WCE98	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4X62D3	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

62X9QJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
62XG94	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14			8,12	13,14
	15,19	12.2,15	30,32.2		X	10,12
	21,26				9,9.3	9,10
	14,16					
66C6RE	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
678QK7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No result			No result	
69GQPD	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
6LQ2JU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6NA9VB	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

6NMYJL	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
6P3C8H	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6PKAGA	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
6PLX4F	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
6QGKCC	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
6QHCTT	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6VQQ7X	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

73QHJR	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
79RY8C	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
79TR6K	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
7AP2JV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7ELRNL	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NID			NID	
7FCXZ7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No results			No results	
7TXEKW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	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

7VK28H	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7XUW64	Investigator® 24plex QS (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7XY4HX	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
7ZY8UX	PowerPlex® 21 (STRmix)					
	14,17.3	19,21		15,16	9,12	13,19
1	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					
829XG2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	-
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
82NCTH	Investigator® 24plex QS (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
89MWYJ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

## Item 1 - STR Results

8A4TMC	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
8BGJWG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8CBCNT	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8PZQL8	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8R7N6B	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
8V63RZ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
8V76QX	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

8WBG7T	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8WHZA4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
968HDX	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9B8999	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
9BDB8U	GlobalFiler™ Express (STRmix™)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
9EWXT8	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9K3Y3W	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

9LENH3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9MMG92	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9N3BXW	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9UMBEA	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
9UPZH7	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
A3E9HM	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
A3VAGJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

A62FR4	PowerPlex® Fusion 6c					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
AAT2MR	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
AF2QHY	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
AJGFH3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
AMKJMQ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,16			12.2,16	9,9.3	9,10
	14,16	No Results			No Results	
ATTCNU	PowerPlex® 21					
	14,17.3	NR		15,16	NR	13,19
1	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					
AU6NBK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

AW8RY2	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
B2HY2Q	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
B92NXY	GlobalFiler™ EXPRESS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BAA3ZY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
BB39NY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BL3WHG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BRWGJX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	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

BXKF3D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
C3LCWX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
C79EWW	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CA3WXN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
CE6LQJ	Investigator® 24plex GO!					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR				
CEJFHX	PowerPlex® Fusion 6c					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CEYG6E	PowerPlex® PP21					
	14,17.3	19,21		15,16	9,12	13,19
1	8,10	14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

CFVR33	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CHHLQV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
CJWT6K	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
CMCJD2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CMDFLB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
CNKMWQ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
CNPUAK	PowerPlex® Fusion 5c					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

CQBLGG	Identifiler®					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
CVPEBF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
CW2894	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12,2,16	9,9.3	9,10
	14,16					
CW2GDZ	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
CWEMGB	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16	NR	NR	NR		
CXVQY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12,2,16	9,9.3	9,10
	14,16					
D349UV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16					



TABLE 2

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

## Item 1 - STR Results

DA42XJ	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
DA4XRM	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
DCPNQ7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
DDQCFW	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
DUPRFN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
E7VB7U	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
E7ZJJN	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	

TABLE 2

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

## Item 1 - STR Results

EAZN4V	Identifiler® Plus (Genotyper 3.7)					
		19,21		15,16	9,12	
1	8,10	14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
EC6E9P	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	NT
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12,2,16	9,9.3	9,10
	14,16	NR	NT	NT	NR	
EJA2DC	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16	NID			NID	
EKYFTA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
EPU4C2	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16					
EU6X4X	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
EVHYR	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

EVJLQD	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
EYXCZE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
F3YZUU	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
FB76UJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FKUVHW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FMGAT8	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FNWCZF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

FUGH8L	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
FVDR LX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FXHLXN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	N/R			N/R	
G9HTWY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
GAUY6G	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GBMZZ7	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GELBV7	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

GKQ8JC	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GMGWY6	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
GMH9KU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GNQGUE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GQWYUV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
GVP3G9	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,[26]	9,[15]	11		9,9.3	9,10
	14,16	NT				
GWLN68	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

GWN939	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NID			NID	
H3PBRL	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
H6D248	GlobalFiler™ (GeneMapper ID-X 1.5)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
HGQGUC	Investigator® 24plex GO!					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	N/A				
HVP8UV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	no results			no results	
HZJP4L	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
1	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,24	9,15	11,11		9,9.3	9,10
	14,16					
J2PR7W	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	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 1 - STR Results

J4DK7Z	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
J4G8J8	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
J9V7BL	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
JBU82P	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
JC9EM8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
JCB7JU	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
JD8GEW	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

JFN7EZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JG73Z8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
JHW7P9	GlobalFiler™ (Bulletproof)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
JJT4XL	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
JPWJV4	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JUNPA7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JWJWMW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

## Item 1 - STR Results

JZUNHA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K4BDD8	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
K6M3MB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K72EJV	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K7F3H2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
K96QCV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K9KGCL	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

KGKTLX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KHWDJE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KNKVJN	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
KQ88KE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KTBK82	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
KTEQKV	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
KU3MUG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

KYB7QN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KYFJKC	Identifiler®					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
KZEEDF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	no results			no results	
L4AQKZ	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
L7G7VC	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
L9EHMH	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	NT
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12.2,16	9,9.3	9,10
	14,16	N/R	NT	NT	N/R	
LBTY7B	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

LL9DZH	Identifiler® ID+					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
LNEFQ3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
LNF74C	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
LNF8PA	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
LT83GM	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
LT89AX	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
LU4DGV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

LU8B2M	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
LX3PCV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
M7CZ72	GlobalFiler™					
	14,17.3	19,21	10,11	5,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
M88H84	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	--
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	--	9,9.3	9,10
	14,16	--	--	--	--	
MFYCJK	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
MP3UPG	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
MP4226	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

MW74AC	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
MWKKGX	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
MYAYRT	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
MYBVZ4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
MYPQQH	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
N8X2NV	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
N8YUL3	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

NB46BW	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
NJWM2L	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
NKNGKN	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
NPWDWW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
NRAAWM	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
NV6Q3A	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
NVLUPA	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

NWGLDF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
NZZKYB	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
P3LN6M	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
PBXUVY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
PPFDYZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PQ7TXB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PQU8PE	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
1	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					



TABLE 2

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

## Item 1 - STR Results

PRJCQK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PTUA43	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Q6MJFU	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
Q7K6FV	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
Q8EDEK	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
QCMX3G	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
QEBPF3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

QGB86G	Investigator® 24plex QS (GeneMapper ID-X)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
QGVQCA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No Results			No Results	
QNE7LY	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	19,21	10,11	15,16		
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RACTA9	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RAZ2E7	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
RBANMP	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	ND	ND	ND		
RCHBAP	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

RCJ9JY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RF2XXM	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RFHL7P	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RGAPQJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	no results			no results	
RLN829	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
RLPHYH	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RNQARA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	NT
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12.2,16	9,9.3	9,10
	14,16	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

RNW9GD	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RPQJ4L	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RQLJ7L	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RRVQBY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RTLZZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RUJ6YA	GlobalFiler™ IQC					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
T8ZJJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

T9D7R2	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
TANXVB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
TBKKGF	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
TDNARB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
TDTG66	Identifiler® Plus					
		19,21		15,16	9,12	
1	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
TFFGHK	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
TGRLPG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

TQXTK4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
TTMPXH	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
TWALV3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
TXWQEE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
U3L79Y	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No Result			No Result	
U9W7T6	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
UA96ME	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

UG7LCY	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
UJRJNV	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NID			NID	
URQ7HG	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
UTK3EH	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
UXXGTV	PowerPlex® Fusion					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,[18]	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,[15]	11		9,9.3	9,10
	14,16	NT				
V2CEXX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
VDKJKJ	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

VFRP97	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VHBQ6D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VHF4WF	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
VN3RT7	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VPEQLU	GlobalFiler™ GlobalFiler Express (GFE)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NID			NID	
VQ443R	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	-
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	-	-	-	-	
VRKX6M	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

Item 1 - STR Results

VTE88H	PowerPlex® Fusion 6C Direct					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
VJJND	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
W4EML9	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
W68KWZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WBDEQV	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
WBXV7X	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
WHB4B7	GlobalFiler™ Express (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	

TABLE 2

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

## Item 1 - STR Results

WHVMGD	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
WJNGCW	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
WJPF4J	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
WL9KLE	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
WM3DGX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WNK6T4	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WQLXD8	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
1	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

WRJFN4	GlobalFiler™ (STRmix v2.6)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WZ9BGR	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,16	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
WZEJUL	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XAEDHH	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
XF742D	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XGTJUF	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XM7KCJ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	ND	ND	ND		

TABLE 2

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

## Item 1 - STR Results

XNGZTK	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
XP7BJD	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No results			No result	
XT6V34	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
XULTV4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
XUYX8D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
XXY94D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Y6GCVU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 1 - STR Results

Y6TBNH	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
Y847EG	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
YGBRKV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
YH8QU9	GlobalFiler™ Express					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
YUE9BX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
YVQQPW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Z3PRAM	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 1 - STR Results

ZEZVJ6		Identifiler® Plus					
		19,21		15,16	9,12		
1	8,10	14,14			8,12	13,14	
	15,19	12.2,15	30,32.2		X,X	10,12	
	21,26				9,9.3	9,10	
	14,16						
ZG6XEU		GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12		
1	8,10	14,14	14,18	17,26	8,12	13,14	
	15,19	12.2,15	30,32.2	11,16	X,X	10,12	
	21,26			12.2,16	9,9.3	9,10	
	14,16						
ZJC9BX		GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12		
1	8,10	14,14	14,18	17,26	8,12	13,14	
	15,19	12.2,15	30,32.2	11,16	X,X	10,12	
	21,26			12.2,16	9,9.3	9,10	
	14,16						
ZK697N		Identifiler® Plus					
		19,21		15,16	9,12		
1	8,10	14,14			8,12	13,14	
	15,19	12.2,15	30,32.2		X,X	10,12	
	21,26				9,9.3	9,10	
	14,16						
ZMBMZ9		PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12		
1	8,10	14,14	14,18	17,26	8,12	13,14	
	15,19	12.2,15	30,30.2	11,16	X,X	10,12	
	21,26	9,15	11,11	12.2,16	9,9.3	9,10	
	14,16						
ZQAZLD		PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12		
1	8,10	14	14,18	17,26	8,12	13,14	
	15,19	12.2,15	30,32.2	11,16	X	10,12	
	21,26	9,15	11	12.2,16	9,9.3	9,10	
	14,16						
ZQCL78		GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12		
1	8,10	14,14	14,18	17,26	8,12	13,14	
	15,19	12.2,15	30,32.2	11,16	X,X	10,12	
	21,26			12.2,16	9,9.3	9,10	
	14,16						

TABLE 2

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

Item 1 - STR Results

ZT7JZE	PowerPlex® 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
ZW3ZZ9	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
1	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 2 - STR Results

224KEP	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
226HPK	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
29UGFE	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
2AKYJF	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
2BEXJZ	GlobalFiler™ Express					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
2BYGP8	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
2D3AGK	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	



TABLE 2

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

Item 2 - STR Results

2HVHGK	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
2HYXZC	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
2NJ22M	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
2R6T9J	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
32LEP6	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
368QFG	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
36LQL4	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

3DFVE6	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
3DXCLE	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
3EEWJC	PowerPlex® Fusion 6C (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
3HA8FQ	GlobalFiler™ Express					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
3HPNEP	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
3U77FA	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
3UPFFH	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

4473RB	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
46GLN8	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
47EX68	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
47VMJ2	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
48VQM6	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
4CLU4V	Investigator® 24plex QS					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
4LNYAP	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

4M4GAP	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
4PP6MB	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
4PRXJX	NGM SElect					
	16,17	16,23	11,11	15,18		
2		14,15	12,13	17,19		8,12
	13,14	11,15	29,30	13,15	X,Y	
	23,24			18,22.2	6,7	
	11,16					
4VE4D4	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
4WCE98	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
4X62D3	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
62X9QJ	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

62XG94	Identifiler® Plus					
		16,23		15,18	12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12
	23,24				6,7	8,9
	11,16					
66C6RE	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
678QK7	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
69GQPD	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6LQ2JU	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6NA9VB	GlobalFiler™ Express (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6NMYJL	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

Item 2 - STR Results

6P3C8H	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6PKAGA	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
6PLX4F	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6QGKCC	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6QHCTT	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
6VQQ7X	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
73QHYP	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

## Item 2 - STR Results

79RY8C	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
79TR6K	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
7AP2JV	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
7ELRNL	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
7FCXZ7	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
7TXEKW	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
7VK28H	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

7XUW64	Investigator® 24plex QS (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10				
7XY4HX	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
7ZY8UX	PowerPlex® 21 (STRmix)					
	16,17	16,23		15,18	12,12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24	12,12	12,14		6,7	8,9
	11,16					
829XG2	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	-
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
82NCTH	Investigator® 24plex QS (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10				
89MWYJ	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
8A4TMC	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	



TABLE 2

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

## Item 2 - STR Results

8BGJWG	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
8CBCNT	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
8PZQL8	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
8R7N6B	GlobalFiler™ (STRmix v2.5)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
8V63RZ	PowerPlex® Fusion 6c					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
8V76QX	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
8WBG7T	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

8WHZA4	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
968HDX	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
9B8999	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
9BDB8U	GlobalFiler™ (STRmix™)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
9EWXT8	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
9K3Y3W	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
9LENH3	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

9MMG92	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
9N3BXW	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
9UMBEA	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
9UPZH7	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
A3E9HM	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
A3VAGJ	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
A62FR4	PowerPlex® Fusion 6c					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		

TABLE 2

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

Item 2 - STR Results

AAT2MR	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
AF2QHY	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
AJGFH3	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
AMKJMQ	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
ATTCNU	PowerPlex® 21					
	16,17	16,23		15,18	12,12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24	12,12	12,14		6,7	8,9
	11,16					
AU6NBK	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
AW8RY2	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

B2HY2Q	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
B92NXY	GlobalFiler™ EXPRESS					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
BAA3ZY	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
BB39NY	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
BL3WHG	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
BRWGJX	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
BXKF3D	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

C3LCWX	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
C79EWW	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CA3WXN	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
CE6LQJ	Investigator® 24plex GO!					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
CEJFHX	PowerPlex® Fusion 6c					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CEYG6E	PowerPlex® PP21					
	16,17	16,23		15,18	12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12
	23,24	12	12,14		6,7	8,9
	11,16					
CFVR33	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

CHHLQV	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CJWT6K	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
CMCJD2	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CMDFLB	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
CNKMWQ	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
CNPUAK	PowerPlex® Fusion 5C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14		6,7	8,9
	11,16	10				
CQBLGG	Identifiler®					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

Item 2 - STR Results

CVPEBF	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
CW2894	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CW2GDZ	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
CWEMGB	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
CXVQY	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
D349UV	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
DA42XJ	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					



TABLE 2

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

## Item 2 - STR Results

DA4XRM	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
DCPNQ7	GlobalFiler™, SignaturePrep Primer Set B					
	16,17	16,23	11	15,18	12	12,13
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18	2	
DDQCFW	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
DUPRFN	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
E7VB7U	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
E7ZJJN	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
EAZN4V	Identifiler® Plus (Genotyper 3.7)					
		16,23		15,18	12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

## Item 2 - STR Results

EC6E9P	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	NT
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	NT	NT	18,22.2	6,7	8,9
	11,16	10	NT	NT	2	
EJA2DC	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
EKYFTA	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
EPU4C2	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
EU6X4X	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
EVHYR	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
EVJLQD	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

EYXCZE	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
F3YZUU	PowerPlex® Fusion 5C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14		6,7	8,9
	11,16	10				
FB76UJ	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
FKUVHW	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
FMGAT8	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
FNWCZF	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
FUGH8L	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

FVDRX	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
FXHLXN	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
G9HTWY	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
GAUY6G	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GBMZZ7	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GELBV7	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GKQ8JC	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

GMGWY6	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GMH9KU	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GNQGUE	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GQWYUV	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
GVP3G9	PowerPlex® Fusion 5C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14		6,7	8,9
	11,16	10				
GWLN68	GlobalFiler™ Express					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
GWN939	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

H3PBRL	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
H6D248	GlobalFiler™ (GeneMapper ID-X 1.5)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
HGQGUC	Investigator® 24plex GO!					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
HVP8UV	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
HZJP4L	PowerPlex® 21					
	16,17	16,23		15,18	12,12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24	12,12	12,14		6,7	8,9
	11,16					
J2PR7W	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
J4DK7Z	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		

TABLE 2

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

## Item 2 - STR Results

J4G8J8	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
J9V7BL	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
JBU82P	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
JC9EM8	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
JCB7JU	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
JD8GEW	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
JFN7EZ	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

JG73Z8	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
JHW7P9	GlobalFiler™ (Bulletproof)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
JJT4XL	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
JPWJV4	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
JUNPA7	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
JWJWMW	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
JZUNHA	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	



TABLE 2

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

## Item 2 - STR Results

K4BDD8	PowerPlex® Fusion 6C, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18	2	
K6M3MB	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
K72EJV	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
K7F3H2	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
K96QCV	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
K9KGCL	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
KGKTLX	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

KHWDJE	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
KNKVJN	PowerPlex® Fusion 6C Direct						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			
KQ88KE	GlobalFiler™						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
KTBK82	PowerPlex® Fusion 6C, Signature Prep Primer B, mtDNA						
		16,17	16,23	11	15,18	12	12,13
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			
KTEQKV	GlobalFiler™ (STRmix)						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
KU3MUG	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
KYB7QN	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		

TABLE 2

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

## Item 2 - STR Results

KYFJKC	Identifiler®					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
KZEEDF	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
L4AQKZ	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
L7G7VC	Investigator® 24plex QS					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
L9EHMH	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	NT
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	NT	NT	18,22.2	6,7	8,9
	11,16	10	NT	NT	2	
LBTY7B	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
LL9DZH	Identifiler® ID+					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

## Item 2 - STR Results

LNEFQ3	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
LNF74C	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
LNF8PA	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
LT83GM	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
LT89AX	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
LU4DGV	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
LU8B2M	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		

TABLE 2

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

## Item 2 - STR Results

LX3PCV	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
M7CZ72	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
M88H84	PowerPlex® Fusion 5C					
	16,17	16,23	11	15,18	12	--
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	--	6,7	8,9
	11,16	10	--	--	--	
MFYCJK	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
MP3UPG	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
MP4226	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
MW74AC	Investigator® 24plex QS					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				

TABLE 2

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

Item 2 - STR Results

MWKKGX	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
MYAYRT	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
MYBVZ4	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
MYPQQH	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
N8X2NV	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
N8YUL3	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
NB46BW	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

NJWM2L	PowerPlex® Fusion 6C						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			
NKNGKN	PowerPlex® Fusion 6C Direct						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			
NPWDWW	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
NRAAWM	Identifiler® Plus						
			16,23		15,18	12,12	
	2	8,14	14,15			11,12	8,12
		13,14	11,15	29,30		X,Y	12,12
		23,24				6,7	8,9
	11,16						
NV6Q3A	GlobalFiler™ (STRmix)						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
NVLUPA	Identifiler® Plus						
			16,23		15,18	12,12	
	2	8,14	14,15			11,12	8,12
		13,14	11,15	29,30		X,Y	12,12
		23,24				6,7	8,9
	11,16						
NWGLDF	GlobalFiler™						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		

TABLE 2

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

## Item 2 - STR Results

NZZKYB	Investigator® 24plex QS					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
P3LN6M	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
PBXUVY	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
PPFDYZ	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
PQ7TXB	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
PQU8PE	PowerPlex® 21					
	16,17	16,23		15,18	12,12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24	12,12	12,14		6,7	8,9
	11,16					
PRJCQK	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	



TABLE 2

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

## Item 2 - STR Results

PTUA43	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Q6MJFU	GlobalFiler™ (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Q7K6FV	GlobalFiler™ Express (STRmix)					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Q8EDEK	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
QCMX3G	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
QEBPF3	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
QGB86G	Investigator® 24plex QS (GeneMapper ID-X)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10				

TABLE 2

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

## Item 2 - STR Results

QGVQCA	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
QNE7LY	PowerPlex® Fusion 6C, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18	2	
RACTA9	GlobalFiler™ (Strmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
RAZ2E7	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
RBANMP	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RCHBAP	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RCJ9JY	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

RF2XXM	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RFHL7P	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RGAPQJ	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
RLN829	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
RLPHYH	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RNQARA	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	NT
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	NT	NT	18,22.2	6,7	8,9
	11,16	10	NT	NT	2	
RNW9GD	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				

TABLE 2

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

Item 2 - STR Results

RPQJ4L	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RQLJ7L	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
RRVQBY	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
RTLZZ	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
RUJ6YA	GlobalFiler™ IQC					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
T8ZJJ	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
T9D7R2	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

Item 2 - STR Results

TANXVB	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
TBKKGF	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
TDNARB	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
TDTG66	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
TFFGHK	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
TGRLPG	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
TQXTK4	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

TTMPXH	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
TWALV3	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
TXWQEE	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
U3L79Y	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
U9W7T6	Investigator® 24plex QS					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10				
UA96ME	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
UG7LCY	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

UJRJNV	FlexPlex					
		16,17	16,23	11	15,18	12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24		12,14	18,22.2	6,7
		11,16	10	19	18	8,9
URQ7HG	PowerPlex® Fusion 6C					
		16,17	16,23	11,11	15,18	12,12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24	12,12	12,14	18,22.2	6,7
		11,16	10	19	18	8,9
UTK3EH	PowerPlex® Fusion 6C Direct					
		16,17	16,23	11	15,18	12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24	12	12,14	18,22.2	6,7
		11,16	10	19	18	8,9
UXXGTV	PowerPlex® Fusion					
		16,17	16,23	11	15,18	12
2		8,14	14,15	12,[13]	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24	12	12,14		[6],7
		11,16	10			8,9
V2CEXX	GlobalFiler™					
		16,17	16,23	11,11	15,18	12,12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24			18,22.2	6,7
		11,16	10			8,9
VDKJKJ	GlobalFiler™ Express					
		16,17	16,23	11	15,18	12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24			18,22.2	6,7
		11,16	10			8,9
VFRP97	GlobalFiler™ Express					
		16,17	16,23	11,11	15,18	12,12
2		8,14	14,15	12,13	17,19	11,12
		13,14	11,15	29,30	13,15	X,Y
		23,24			18,22.2	6,7
		11,16	10			8,9
						2

TABLE 2

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

Item 2 - STR Results

VHBQ6D	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
VHF4WF	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
VN3RT7	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
VPEQLU	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
VQ443R	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	-
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18	-	
VRKX6M	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
VTE88H	PowerPlex® Fusion 6C Direct					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		



TABLE 2

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

## Item 2 - STR Results

WJJND	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
W4EML9	GlobalFiler™ (STRmix)						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
W68KWZ	GlobalFiler™						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
WBDEQV	PowerPlex® Fusion 5C						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24	12	12,14		6,7	8,9
	11,16	10					
WBXV7X	PowerPlex® Fusion 6C						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			
WHB4B7	GlobalFiler™ (STRmix)						
		16,17	16,23	11	15,18	12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12
		23,24			18,22.2	6,7	8,9
	11,16	10			2		
WHVMGD	PowerPlex® Fusion 6C						
		16,17	16,23	11,11	15,18	12,12	
	2	8,14	14,15	12,13	17,19	11,12	8,12
		13,14	11,15	29,30	13,15	X,Y	12,12
		23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18			

TABLE 2

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

## Item 2 - STR Results

WJNGCW	PowerPlex® Fusion 5C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14		6,7	8,9
	11,16	10				
WJPF4J	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
WL9KLE	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
WM3DGX	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
WNK6T4	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
WQLXD8	PowerPlex® 21					
	16,17	16,23		15,18	12,12	12,13
2	8,14	14,15		17,19	11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24	12,12	12,14		6,7	8,9
	11,16					
WRJFN4	GlobalFiler™ (STRmix v2.6)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

WZ9BGR	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
WZEJUL	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
XAEDHH	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
XF742D	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
XGTJUF	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10			2	
XM7KCJ	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
XNGZTK	GlobalFiler™ (STRmix v2.5)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

XP7BJD	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
XT6V34	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
XULTV4	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
XUYX8D	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
XXY94D	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Y6GCVU	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Y6TBNH	PowerPlex® Fusion, GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10			2	

TABLE 2

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

## Item 2 - STR Results

Y847EG	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
YGBRKV	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
YH8QU9	GlobalFiler™ Express					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
YUE9BX	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
YVQQPW	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
Z3PRAM	GlobalFiler™					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
ZEZVJ6	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					

TABLE 2

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

## Item 2 - STR Results

ZG6XEU	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
ZJC9BX	GlobalFiler™ (STRmix)					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
ZK697N	Identifiler® Plus					
		16,23		15,18	12,12	
2	8,14	14,15			11,12	8,12
	13,14	11,15	29,30		X,Y	12,12
	23,24				6,7	8,9
	11,16					
ZMBMZ9	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
ZQAZLD	PowerPlex® Fusion 6C					
	16,17	16,23	11	15,18	12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12
	23,24	12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		
ZQCL78	GlobalFiler™					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10			2	
ZT7JZE	PowerPlex® 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		

TABLE 2

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

Item 2 - STR Results

ZW3ZZ9	PowerPlex® Fusion 6C					
	16,17	16,23	11,11	15,18	12,12	
2	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24	12,12	12,14	18,22.2	6,7	8,9
	11,16	10	19	18		

TABLE 2

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

Item 3 - STR Results

224KEP	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
226HPK	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
29UGFE	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
2AKYJF	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
2BEXJZ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
2BYGP8	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
2D3AGK	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	



TABLE 2

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

## Item 3 - STR Results

2HVHGK	PowerPlex® Fusion 6C					
	14,17.3#	19,21#	10,11	15,16#	9,12	
3	8,10#	14#	14,18#	17,26#	8,12#	13,14#
	15,19#	12.2,15#	30,32.2#	11,16#	X#	10,12
	21,26#	9,15#	11#	12.2,16#	9,9.3#	9,10#
	14,16#	NR#	NR#	NR#		
2HYXZC	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
2NJ22M	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	[10],11	15,[16],18	[9],12	
3	8,10,[14]	14,[15]	12,13,14,18	17,19,[26]	[8],[11],12	8,12,13,14
	13,14,[15],[19]	[11],[12.2],15	29,30,[32.2]	11,13,15,16	X,[Y]	[10],12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,[10]
	11,[14],16	10			2	
2R6T9J	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,11.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
32LEP6	Identifiler® Plus (STRmix 2.7.0)					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
368QFG	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
36LQL4	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

## Item 3 - STR Results

3DFVE6	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
3DXCLE	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
3EEWJC	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
3HA8FQ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
3HPNEP	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
3U77FA	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
3UPFFH	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

4473RB	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
46GLN8	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
47EX68	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
48VQM6	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
4CLU4V	Investigator® 24plex QS (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
4LNYAP	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
4M4GAP	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

4PP6MB	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
4PRXJX	NGM SElect					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18		
3		14,15	12,13,14,18	17,19,26		8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	
	11,14,16					
4VE4D4	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
4WCE98	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
62X9QJ	GlobalFiler™					
	[14],16,17,17.3	16,[19],21,23	[10],11	15,[16],[18]	[9],12	
3	8,[10],[14]	14,[15]	12,13,[14],[18]	17,19,[26]	[8],11,12	8,12,13
	13,14,15,19	[11],[12.2],15	29,30,[32.2]	11,13,15,16	X,[Y]	[10],12
	21,23,24,26			12.2,16,18,22.2	6,[7],9,9.3	[8],9,[10]
	[11],[14],16	10			2	
62XG94	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
66C6RE	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

678QK7	GlobalFiler™ (STRmix v2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
69GQPD	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6LQ2JU	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6NA9VB	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6NMYJL	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
6P3C8H	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,[17],18	9,12	
3	8,10,14	[13],14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6PKAGA	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

6PLX4F	GlobalFiler™ (STRmix v2.5.11)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6QGKCC	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6QHCTT	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
6VQQ7X	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
73QHHR	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
79RY8C	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
79TR6K	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

## Item 3 - STR Results

7AP2JV	GlobalFiler™ (STRMIX)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
7FCXZ7	GlobalFiler™ (STRmix v. 2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
7TXEKW	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
7VK28H	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
7XUW64	Investigator® 24plex QS (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
7XY4HX	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
7ZY8UX	PowerPlex® 21 (STRmix)					
	14,16,17,17.3	(15),16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,(25),26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

## Item 3 - STR Results

829XG2	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	-
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
82NCTH	Investigator® 24plex QS (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
89MWYJ	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
8A4TMC	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
8BGJWG	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
8CBCNT	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
8PZQL8	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	13,14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,14,15	29,30,32.2	11,13,15,16	X,Y	10,11,12
	21,23,24,25,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	



TABLE 2

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

## Item 3 - STR Results

8R7N6B	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
8V63RZ	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
8V76QX	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
8WBG7T	GlobalFiler™ (STRmix v 2.4.06)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
8WHZA4	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
9B8999	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
9BDB8U	GlobalFiler™ (STRmix™)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

9EWXT8	GlobalFiler™ (STRmix 2.8)					
	14,16,17,17.3	16,19,21,23	10,11	14,15,16,18	9,12	
3	8,10,14	13,14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,14,15	29,30,32.2	11,13,15,16	X,Y	10,12
	20,21,23,24,25,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
9LENH3	GlobalFiler™ (STRMix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
9MMG92	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
9UMBEA	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
9UPZH7	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
A3E9HM	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
A3VAGJ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

A62FR4	PowerPlex® Fusion 6c					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
AAT2MR	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
AF2QHY	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
AJGFH3	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
AMKJMQ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
ATTCNU	PowerPlex® 21 (STRmix v2.7)					
	14,16,17,17.3	16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					
AU6NBK	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

AW8RY2	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,[15]	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,[Y]	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
B2HY2Q	GlobalFiler™ (STRmix v2.5.11)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
B92NXY	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
BAA3ZY	Identifiler® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
BB39NY	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
BL3WHG	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
BRWGJX	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

BXKF3D	GlobalFiler™					
	14,16,[17],17.3	[16],19,21,[23]	[10],11	15,16,[18]	[9],12	
3	8,10,[14]	14,[15]	12,[13],14,18	17,[19],26	8,[11],12	[8],12,13,14
	13,14,15,19	[11],[12.2],15	29,30,32.2	11,13,15,16	X,[Y]	[10],12
	21,23,24,26			12.2,16,[18],[22.2]	6,[7],9,9.3	[8],9,[10]
	[11],[14],16	10			2	
C3LCWX	GlobalFiler™ (STR Mix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
C79EWW	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CA3WXN	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CE6LQJ	Investigator® 24plex QS					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
CEJFHX	PowerPlex® Fusion 6C (strmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CEYG6E	PowerPlex® PP21					
	14,16,17,17.3	16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

Item 3 - STR Results

CFVR33	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CHHLQV	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CJWT6K	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CMCJD2	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CMDFLB	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CNKMWQ	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CNPUAK	PowerPlex® Fusion 5C					
	[14],16,17,17.3	16,19,[21],23	[10],11	15,[16],18	9,12	
3	8,[10],14	14,[15]	12,13,14,18	17,[19,26]	[8,11],12	[8],12,13,14
	13,14,[15],19	11,12.2,15	29,30,32.2	[11],15,[16]	X,[Y]	[10],12
	21,23,[24],26	[9],12,[15]	11,12,[14]		6,7,9,9.3	8,9,[10]
	11,[14],16	10				

TABLE 2

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

## Item 3 - STR Results

CQBLGG	Identifiler®					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
CVPEBF	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
CW2894	PowerPlex® Fusion 6C (STRMix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CW2GDZ	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
CWEMGB	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,18,26	8,11,12	8 <sup>^</sup> ,12,13,14
	13 <sup>^</sup> ,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23 <sup>^</sup> ,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
CXVQY	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
D349UV	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

## Item 3 - STR Results

DA42XJ	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
DA4XRM	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
DDQCFW	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
DUPRFN	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
E7VB7U	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	[10],12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
E7ZJJN	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
EAZN4V	Identifiler® Plus (Genotyper 3.7)					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					



TABLE 2

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

Item 3 - STR Results

EC6E9P	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	NT
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	NT	NT	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	NT	NT	2	
EJA2DC	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	[10],11	15,[16],18	[9],12	
3	8,[10],[14]	14,[15]	12,13,14,18	17,[19],[26]	[8],[11],12	8,12,13,14
	13,14,15,19	[11],[12.2],15	29,30,32.2	11,13,15,16	X,[Y]	[10],12
	21,23,24,26	[9],12,[15]	11,[12],[14]	12.2,16,18,22.2	6,7,9,9.3	8,9,[10]
	[11],[14],16	10	19	18		
EKYFTA	GlobalFiler™					
	14,[16],[17],17.3	[16],19,21,[23]	[10],11	15,16,[18]	[9],12	
3	8,10,[14]	14,[15]	[12],[13],14,18	17,[19],26	8,[11],12	[8],12,13,14
	[13],[14],15,19	[11],12.2,15	[29],30,32.2	11,[13],[15],16	X,[Y]	[10],12
	21,[23],[24],26			12.2,16,[18],[22.2]	[6],[7],9,9.3	[8],9,10
	[11],14,16	10			2	
EPU4C2	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
EU6X4X	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
EVJLQD	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
EYXCZE	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

F3YZUU	PowerPlex® Fusion 5C					
	14,16,17,17.3	16,19,21,23	[10],11	15,16,18	[9],12	
3	8,[10,14]	14,[15]	12,13,14,18	17,19,[26]	[8],11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,[Y]	[10],12
	21,23,24,26	9,12,[15]	11,12,14		6,7,9,9.3	8,9,10
	[11,14],16	10				
FB76UJ	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
FKUVHW	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
FMGAT8	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
FNWCZF	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
FUGH8L	GlobalFiler™ (STRmix V 2.4.06)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
FVDRLX	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

FXHLXN	GlobalFiler™ (STRmix version 2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
G9HTWY	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
GAUY6G	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GBMZZ7	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GELBV7	GlobalFiler™ (STRmix v 2.4.06)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GKQ8JC	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GMGWY6	GlobalFiler™ (STRMIX)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

GMH9KU	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,[15]	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,[Y]	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GNQGUE	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GQWYUV	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
GVP3G9	PowerPlex® Fusion 5C					
	[14],16,17,17.3	[16],19,[21],23	[10],11	15,[16,18]	[9],12	
3	8,10,14	14,[15]	12,13,14,18	17,19,[26]	[8],11,12	[8],12,[13,14]
	13,14,[15],19	11,[12.2],15	[29],30,[32.2]	11,13,15,16	X,[Y]	[10],12
	[21],23,24,26	[9],12,[15]	11,[12,14]		6,7,[9],9.3	[8],9,[10]
	[11,14],16	10				
GWLN68	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
GWN939	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,[23]	[10],11	15,16,[18]	[9],12	
3	8,10,[14]	14,[15]	12,13,14,18	17,19,[26]	8,11,12	8,12,13,14
	[13],14,15,19	[11],12.2,15	[29],30,[32.2]	11,13,15,16	X,[Y]	[10],12
	21,23,24,26	9,12,15	11,[12],14	12.2,16,[18],[22.2]	6,7,9,9.3	[8],9,10
	[11],14,16	10	19	18		
H3PBRL	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

## Item 3 - STR Results

H6D248	GlobalFiler™ (GeneMapper ID-X 1.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
HGQGUC	Investigator® 24plex QS					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
HVP8UV	GlobalFiler™ (STRmix 2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
HZJP4L	PowerPlex® 21					
	14,16,17,17.3	16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					
J2PR7W	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
J4DK7Z	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
J4G8J8	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

J9V7BL	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
JBU82P	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
JCB7JU	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
JD8GEW	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
JFN7EZ	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
JG73Z8	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
JHW7P9	GlobalFiler™ (Bulletproof)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12,2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

JJT4XL	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
JPWJV4	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
JUNPA7	GlobalFiler™					
	14,[16],[17],17.3	16,19,21,23	[10],11	15,16,[18]	[9],12	
3	8,10,[14]	14,[15]	12,13,14,18	17,[19],[26]	8,11,12	8,12,13,14
	13,14,15,19	[11],12.2,15	29,30,32.2	11,[13],[15],[16]	X,[Y]	10,12
	21,23,24,26			12.2,16,18,[22.2]	6,7,9,[9.3]	[8],9,[10]
	[11],[14],16	10			2	
JWJWMW	GlobalFiler™ (STRmix)					
	13,14,15,16,17,17.3	16,19,21,23	10,11	14,15,16,17,18	9,11,12	
3	8,10,14	13,14,15	12,13,14,17,18	17,19,25,26	8,11,12	8,12,13,14
	12,13,14,15,18,19	11,12.2,14,15	29,30,32.2	11,13,15,16	X,Y	10,11,12
	21,22,23,24,26			11.2,12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,15,16	10			2	
JZUNHA	GlobalFiler™ (STRMix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
K4BDD8	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18	2	
K6M3MB	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

K72EJV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
K7F3H2	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
K96QCV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	13,14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,14,15	29,30,32.2	11,13,15,16	X,Y	10,12
	20,21,23,24,25,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KGKTLX	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KHWDJE	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KNKVJN	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
KQ88KE	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	



TABLE 2

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

## Item 3 - STR Results

KTBK82	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KTEQKV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KU3MUG	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KYB7QN	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
KYFJKC	Identifiler®					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
KZEEDF	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
L4AQKZ	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

L7G7VC	Investigator® 24plex QS (STRmix v2.6)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
L9EHMH	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	NT
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	NT	NT	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	NT	NT	2	
LBTY7B	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
LL9DZH	Identifiler® ID+					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
LNEFQ3	GlobalFiler™ (eDNA Bullet)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
LNF74C	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
LNF8PA	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

Item 3 - STR Results

LT83GM	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
LT89AX	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
LU4DGV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	13,14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,25,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
LU8B2M	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
LX3PCV	GlobalFiler™ (STRmix)					
	13,14,15,16,16.3,17,17.3	15,16,18,19,21,23	9,10,11	14,15,16,17,18	9,11,12	
3	7,8,9,10,13,14	13,14,15	12,13,14,17,18	16,17,19,25,26	8,10,11,12	8,11,12,13,14
	12,13,14,15,18,19	11,11.2,12.2,14,15	29,30,31.2,32.2	11,12,13,14,15,16	X,Y	10,11,12
	20,21,22,23,24,25,26			11.2,12.2,15,15.2,16,17,18,21.2,22.2	6,7,9,9.3	8,9,10
	11,14,15,16	10			2	
M7CZ72	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
M88H84	PowerPlex® Fusion 5C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	--
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	--	6,7,9,9.3	8,9,10
	11,14,16	10	--	--	--	

TABLE 2

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

Item 3 - STR Results

MFYCJK	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
MP3UPG	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
MP4226	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
MW74AC	Investigator® 24plex QS (STRmix v2.6.3)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
MWKKGX	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
MYAYRT	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
MYBVZ4	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

MYPQQH	Identifiler® Plus (STRmix v2.7.0)					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
N8X2NV	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
N8YUL3	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
NB46BW	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
NJWM2L	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
NKNGKN	PowerPlex® Fusion 6C (STRMix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
NPWDWW	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

NRAAWM	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
NV6Q3A	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
NVLUPA	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
NWGLDF	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
NZZKYB	Investigator® 24plex QS (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				
P3LN6M	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
PBXUVY	PowerPlex® Fusion 6C					
	14,17.3#	19,21#	10,11	15,16#	9,12	
3	8,10#	14#	14,18#	17,26#	8,12#	13,14#
	15,19#	12.2,15#	30,32.2#	11,16#	X#	10,12
	21,26#	9,15#	11#	12.2,16#	9,9.3#	9,10#
	14,16#	NR#	NR#	NR#		

TABLE 2

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

Item 3 - STR Results

PPFDYZ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14,[15]
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
PQ7TXB	GlobalFiler™ (STRmix 2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
PQU8PE	PowerPlex® 21 (STRmix v2.8.0)					
	14,16,17,17.3	16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					
PRJCQK	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
PTUA43	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
Q6MJFU	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
Q7K6FV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

Q8EDEK	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
QCMX3G	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
QEBPF3	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
QGVQCA	GlobalFiler™ (STRmix v2.4.06)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
QNE7LY	PowerPlex® Fusion 6C, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15		12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18	2	
RACTA9	GlobalFiler™ (Strmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
RAZ2E7	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					



TABLE 2

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

## Item 3 - STR Results

RBANMP	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RCHBAP	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RCJ9JY	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
RF2XXM	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RFHL7P	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RGAPQJ	GlobalFiler™ (STRmix v.2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
RLN829	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

Item 3 - STR Results

RLPHYH	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RNQARA	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	NT
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	NT	NT	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	NT	NT	2	
RPQJ4L	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RQLJ7L	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
RRVQBY	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
RTLZZ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
RUJ6YA	GlobalFiler™ IQC (LRMIX Studio-2.1.3)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

T82ZJJ	GlobalFiler™					
	14,16,17,17.3	16,19,21,[22],23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
T9D7R2	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TANXVB	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TBKKGF	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
TDNARB	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TDTG66	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
TFFGHK	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

## Item 3 - STR Results

TGRLPG	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TQXTK4	GlobalFiler™ (STRmix v 2.5.11)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TTMPXH	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
TWALV3	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
TXWQEE	Identifiler® Plus, MiniFiler					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
U3L79Y	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
U9W7T6	Investigator® 24plex QS (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10				

TABLE 2

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

## Item 3 - STR Results

UA96ME	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
UG7LCY	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
UJRJNV	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,[23]	[10],11	15,[16],[18]	[9],12	
3	8,10,[14]	14,[15]	12,13,14,18	17,[19],26	8,[11],12	8,12,13,14
	13,14,15,19	[11],12.2,15	[29],30,32.2	11,13,15,16	X,[Y]	[10],12
	21,23,24,26	9,12,15	11,[12],[14]	12.2,16,18,22.2	6,7,9,9.3	[8],9,[10]
	[11],14,16	10	19	18		
URQ7HG	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
UTK3EH	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
UXXGTV	PowerPlex® Fusion					
	14,16,[17],17.3	[16],19,21,[23]	[10],11	15,[16],18	[9],12	
3	8,[10],14	14,[15]	[12],13,14,18	17,[19],26	8,[11],12	[8,12],13,14
	[13],14,15,19	[11],12.2,15	[29],30,32.2	11,13,[15],16	X,[Y]	10,12
	21,23,24,26	9,12,[15]	11,[12],14		6,7,9,9.3	[8],9,[10]
	[11],14,16	10				
V2CEXX	GlobalFiler™					
	14,16,17,17.3	16,[19],21,[23]	[10],11	15,[16],[18]	[9],12	
3	8,[10],[14]	14,[15]	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,[19]	[11],[12.2],15	29,30,[32.2]	11,13,15,16	X,[Y]	[10],12
	21,23,24,[26]			12.2,16,18,22.2	6,7,9,9.3	8,9,[10]
	[11],14,16	10			2	

TABLE 2

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

Item 3 - STR Results

VDKJKJ	GlobalFiler™ (STRmix v2.4.06)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
VFRP97	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
VHBQ6D	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	[9],12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,[Y]	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
VHF4WF	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
VN3RT7	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
VPEQLU	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	[14],16,17,17.3	16,19,21,23	[10],11	15,[16],[18]	[9],12	
3	8,[10],[14]	14,[15]	12,13,14,18	17,[19],[26]	8,11,12	8,12,13,[14]
	13,14,15,19	[11],[12.2],15	29,30,[32.2]	11,13,15,16	X,Y	[10],12
	21,23,24,[26]	[9],12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,[10]
	11,[14],16	10	19	18		
VQ443R	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	-
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	-	-	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	-	-	2	

TABLE 2

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

## Item 3 - STR Results

VRKX6M	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
VTE88H	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
VJND	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
W4EML9	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
W68KWZ	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
WBDEQV	PowerPlex® Fusion 5C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16	10				
WBXV7X	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

## Item 3 - STR Results

WHB4B7	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
WHVMGD	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
WJNGCW	PowerPlex® Fusion 5C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16	10				
WJPF4J	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
WL9KLE	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
WM3DGX	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
WNK6T4	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	



TABLE 2

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

Item 3 - STR Results

WQLXD8	PowerPlex® 21 (STRMix (v2.7))					
	14,16,17,17.3	16,19,21,23		15,16,18	9,12	12,13,19
3	8,10,14	14,15		17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26	9,12,15	11,12,14		6,7,9,9.3	8,9,10
	11,14,16					
WRJFN4	GlobalFiler™ (STRmix v2.6)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
WZ9BGR	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
WZEJUL	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
XAEDHH	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XF742D	PowerPlex® Fusin 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
XGTJUF	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

XM7KCJ	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
XNGZTK	GlobalFiler™ (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XP7BJD	GlobalFiler™ (STRmix 2.4)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XT6V34	GlobalFiler™ (STRMIX)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XULTV4	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XUYX8D	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
XXY94D	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					

TABLE 2

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

## Item 3 - STR Results

Y6GCVU	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
Y6TBNH	PowerPlex® Fusion, GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
Y847EG	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
YGBRKV	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
YH8QU9	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
YUE9BX	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
YVQQPW	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	

TABLE 2

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

## Item 3 - STR Results

Z3PRAM	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
ZEZVJ6	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
ZG6XEU	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
ZJC9BX	GlobalFiler™ (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
ZK697N	Identifiler® Plus					
		16,19,21,23		15,16,18	9,12	
3	8,10,14	14,15			8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2		X,Y	10,12
	21,23,24,26				6,7,9,9.3	8,9,10
	11,14,16					
ZMBMZ9	PowerPlex® Fusion 6C (STRmix v2.5)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
ZQAZLD	PowerPlex® Fusion 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

Item 3 - STR Results

ZQCL78	GlobalFiler™					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26			12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10			2	
ZT7JZE	PowerPlex® 6C					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
ZW3ZZ9	PowerPlex® Fusion 6C (STRmix)					
	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
3	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		

TABLE 2

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

Item 3e - STR Results

DCPNQ7	PowerPlex® Fusion 6C (STRmix)					
3e	14,16,17,17.3	16,19,21,23	10,11	15,16,18	9,12	
	8,10,14	14,15	12,13,14,18	17,19,26	8,11,12	8,12,13,14
	13,14,15,19	11,12.2,15	29,30,32.2	11,13,15,16	X,Y	10,12
	21,23,24,26	9,12,15	11,12,14	12.2,16,18,22.2	6,7,9,9.3	8,9,10
	11,14,16	10	19	18		
QGB86G	Investigator® 24plex QS (GeneMapper ID-X)					
3e	14,17.3	19,21	10,11	15,16	9,12	
	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 3sp - STR Results

DCPNQ7	PowerPlex® Fusion 6C (STRmix)					
	NR	NR	NR	16	NR	
3sp	NR	14	12	17,19	12	NR
	NR	NR	NR	NR	X	NR
	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		
QGB86G	Investigator® 24plex QS (GeneMapper ID-X)					
	16,17	16,23	11,11	15,18	12,12	
3sp	8,14	14,15	12,13	17,19	11,12	8,12
	13,14	11,15	29,30	13,15	X,Y	12,12
	23,24			18,22.2	6,7	8,9
	11,16	10				

TABLE 2

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

## Item 4 - STR Results

224KEP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
226HPK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
29UGFE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
2AKYJF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
2BEXJZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
2BYGP8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
2D3AGK	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	



TABLE 2

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

Item 4 - STR Results

2HVHGK	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
2HYXZC	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
2NJ22M	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
2R6T9J	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
32LEP6	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
368QFG	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
36LQL4	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

3DFVE6	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
3DXCLE	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
3EEWJC	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
3HA8FQ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
3HPNEP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
3U77FA	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
3UPFFH	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

4473RB	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
46GLN8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
47EX68	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
48VQM6	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4CLU4V	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4LNYAP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4M4GAP	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

4PP6MB	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
4PRXJX	NGM SElect					
	14,17.3	19,21	10,11	15,16		
4		14,14	14,18	17,26		13,14
	15,19	12.2,15	30,32.2	11,16	X,X	
	21,26			12.2,16	9,9.3	
	14,16					
4VE4D4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
4WCE98	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
62X9QJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
62XG94	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14			8,12	13,14
	15,19	12.2,15	30,32.2		X	10,12
	21,26				9,9.3	9,10
	14,16					
66C6RE	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16	NR				

TABLE 2

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

## Item 4 - STR Results

678QK7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No result			No result	
69GQPD	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
6LQ2JU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6NA9VB	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6NMYJL	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
6P3C8H	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6PKAGA	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

6PLX4F	GlobalFiler™ (STRmix v2.5.11)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
6QGKCC	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
6QHCTT	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
6VQQ7X	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
73QHYP	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
79RY8C	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
79TR6K	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

7AP2JV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7FCXZ7	GlobalFiler™ (STRmix v 2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No results			No results	
7TXEKW	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
7VK28H	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7XUW64	Investigator® 24plex QS (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
7XY4HX	GlobalFiler™, MiniFiler (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
7ZY8UX	PowerPlex® 21 (STRmix)					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	(20),21,26,(27)	9,15	11,11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

829XG2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	-
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
82NCTH	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
89MWYJ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
8A4TMC	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
8BGJWG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8CBCNT	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8PZQL8	GlobalFiler™ (STRmix)					
	13,14,16.3,17.3	18,19,20,21	10,11	14,15,16	9,11,12	
4	8,9,10	13,14	13,14,17,18	17,25,26	8,11,12	12,13,14
	14,15,18,19	11.2,12.2,14,15	29,30,31.2,32.2	11,15,16	X	10,11,12
	20,21,25,26			11.2,12,12.2,15,16	9,9.3	9,10
	14,15,16					



TABLE 2

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

Item 4 - STR Results

8R7N6B	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
8V63RZ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
8V76QX	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
8WBG7T	GlobalFiler™ (STRmix v 2.4.06)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
8WHZA4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9B8999	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
9BDB8U	GlobalFiler™, MiniFiler (STRmix™)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	

TABLE 2

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

## Item 4 - STR Results

9EWXT8	GlobalFiler™ (STRmix 2.8)					
	13,14,17.3	19,21	10,11	15,16	9,12	
4	8,10	13,14	14,18	17,25,26	8,12	13,14
	15,18,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9LENH3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9MMG92	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
9UMBEA	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
9UPZH7	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
A3E9HM	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
A3VAGJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

A62FR4	PowerPlex® Fusion 6c					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
AAT2MR	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
AF2QHY	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
AJGFH3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
AMKJMQ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No Results			No Results	
ATTCNU	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					
AU6NBK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

AW8RY2	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
B2HY2Q	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
B92NXY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BAA3ZY	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
BB39NY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BL3WHG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
BRWGJX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

## Item 4 - STR Results

BXKF3D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
C3LCWX	GlobalFiler™ (STR Mix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
C79EWW	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CA3WXN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
CE6LQJ	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
CEJFHX	PowerPlex® Fusion 6c (strmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CEYG6E	PowerPlex® PP21					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

CFVR33	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CHHLQV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
CJWT6K	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
CMCJD2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
CMDFLB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
CNKMWQ	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
CNPUAK	PowerPlex® Fusion 5c					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

CQBLGG	Identifiler®					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
CVPEBF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
CW2894	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12,2,16	9,9.3	9,10
	14,16					
CW2GDZ	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
CWEMGB	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16	NR	NR	NR		
CXVQY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12,2,16	9,9.3	9,10
	14,16					
D349UV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

DA42XJ	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
DA4XRM	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
DCPNQ7	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
DDQCFW	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
DUPRFN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
E7VB7U	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
E7ZJJN	GlobalFiler™, MiniFiler (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	



TABLE 2

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

## Item 4 - STR Results

EAZN4V	Identifiler® Plus (Genotyper 3.7)					
		19,21		15,16	9,12	
4	8,10	14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
EC6E9P	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	NT
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12.2,16	9,9.3	9,10
	14,16	NR	NT	NT	NR	
EJA2DC	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NID	NID	NID		
EKYFTA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
EPU4C2	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
EU6X4X	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
EVJLQD	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

EYXCZE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
F3YZUU	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
FB76UJ	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
FKUVHW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FMGAT8	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FNWCZF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FUGH8L	GlobalFiler™ (STRmix V 2.4.06)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

## Item 4 - STR Results

FVDRX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
FXHLXN	GlobalFiler™ (STRmix version 2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	N/R			N/R	
G9HTWY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
GAUY6G	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GBMZZ7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GELBV7	GlobalFiler™ (STRmix v 2.4.06)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GKQ8JC	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

GMGWY6	GlobalFiler™ (STRMIX)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
GMH9KU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GNQGUE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GQWYUV	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
GVP3G9	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,[16]	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16	NT				
GWLN68	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,8	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
GWN939	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NID	NID	NID		

TABLE 2

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

Item 4 - STR Results

H3PBRL	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
H6D248	GlobalFiler™ (Genemapper ID-X 1.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
HGQGUC	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16	N/A				
HVP8UV	GlobalFiler™ (STRmix 2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16	no results			no results	
HZJP4L	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14		17,26	8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
J2PR7W	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16	NA			NA	
J4DK7Z	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

Item 4 - STR Results

J4G8J8	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
J9V7BL	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
JBU82P	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
JCB7JU	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
JD8GEW	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
JFN7EZ	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JG73Z8	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

JHW7P9	GlobalFiler™ (Bulletproof)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
JJT4XL	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
JPWJV4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JUNPA7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
JWJWMW	GlobalFiler™ (STRmix)					
	13,13.2,14,16.3,17.1,17.3	18,19,20,21	9,10,11	14,15,16	8,9,11,12	
4	7,8,9,10	13,14	13,14,17,18	16,17,25,26	7,8,11,12	12,13,14
	14,15,18,19	12.2,14,15	29,30,31.2,32.2	10,11,15,16,17	X	9,10,11,12
	20,21,25,26			11.2,12,12.2,15,15.2,16	9,9.3	9,10
	13,14,15,16					
JZUNHA	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K4BDD8	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

K6M3MB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K72EJV	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
K7F3H2	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
K96QCV	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	14,15,16	9,12	
4	8,10	13,14	14,17,18	17,25,26	8,12	13,14
	15,18,19	11.2,12.2,14,15	30,32.2	11,15,16	X	10,12
	20,21,25,26			12.2,15,16	9,9.3	9,10
	14,16					
KGKTLX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KHWDJE	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KNKVJN	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

## Item 4 - STR Results

KQ88KE	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KTBK82	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
KTEQKV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
KU3MUG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KYB7QN	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
KYFJKC	Identifiler®					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
KZEEDF	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	no results			no results	

TABLE 2

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

Item 4 - STR Results

L4AQKZ	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
L7G7VC	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
L9EHMH	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	NT
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12.2,16	9,9.3	9,10
	14,16	N/R	NT	NT	N/R	
LBTY7B	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
LL9DZH	Identifiler® ID+					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
LNEFQ3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
LNF74C	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

LNF8PA	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
LT83GM	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
LT89AX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
LU4DGV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
LU8B2M	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
LX3PCV	GlobalFiler™ (STRmix)					
	13,14,16.3,17.3	18,19,20,21	9,10,11	14,15,16	8,9,11,12	
4	7,8,9,10	13,14	13,14,17,18	16,17,25,26	8,11,12	12,13,14
	14,15,18,19	12.2,14,15	29,30,31.2,32.2	11,15,16,17	X	9,10,11,12
	20,21,25,26			11.2,12,12.2,15,15.2,16	9,9.3	9,10
	13,14,15,16					
M7CZ72	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

M88H84	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	--
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	--	9,9.3	9,10
	14,16	--	--	--	--	
MFYCJK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
MP3UPG	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
MP4226	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
MW74AC	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
MWKKGX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
MYAYRT	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

MYBVZ4	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
MYPQQH	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
N8X2NV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NM			NM	
N8YUL3	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
NB46BW	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
NJWM2L	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
NKNGKN	PowerPlex® Fusion 6C (STRMix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

NPWDWW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
NRAAWM	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
NV6Q3A	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
NVLUPA	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
NWGLDF	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
NZZKYB	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
P3LN6M	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

PBXUVY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
PPFDYZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PQ7TXB	GlobalFiler™ (STRmix 2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PQU8PE	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					
PRJCQK	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
PTUA43	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Q6MJFU	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

Item 4 - STR Results

Q7K6FV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
Q8EDEK	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
QCMX3G	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
QEBPF3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
QGB86G	Investigator® 24plex QS (GeneMapper ID-X)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
QGVQCA	GlobalFiler™ (STRmix v2.4.06)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No Results			No Results	
QNE7LY	PowerPlex® Fusion 6C, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

Item 4 - STR Results

RACTA9	GlobalFiler™ (Strmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RAZ2E7	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
RBANMP	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	ND	ND	ND		
RCHBAP	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RCJ9JY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RF2XXM	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RFHL7P	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

RGAPQJ	GlobalFiler™ (STRmix v.2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	no results			no results	
RLN829	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
RLPHYH	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RNQARA	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	NT
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	NT	NT	12.2,16	9,9.3	9,10
	14,16	NR	NT	NT	NR	
RPQJ4L	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
RQLJ7L	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RRVQBY	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

RTLZZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
RUJ6YA	GlobalFiler™ IQC					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
T8ZJJ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
T9D7R2	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
TANXVB	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
TBKKGF	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
TDNARB	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

Item 4 - STR Results

TDTG66	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
TFFGHK	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16					
TGRLPG	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X,X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
TQXTK4	GlobalFiler™ (STRmix v 2.5.11)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
TTMPXH	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12,2,16	9,9.3	9,10
	14,16					
TWALV3	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12,2,15	30,32.2	11,16	X	10,12
	21,26			12,2,16	9,9.3	9,10
	14,16					
TXWQEE	Identifiler® Plus, MiniFiler					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12,2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

U3L79Y	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No Result			No Result	
U9W7T6	Investigator® 24plex QS					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
UA96ME	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
UG7LCY	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
UJRJNV	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NID	NID	NID		
URQ7HG	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
UTK3EH	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

UXXGTV	PowerPlex® Fusion					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,[10]	14	14,18	17,26	8,12	13,14
	[15],19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16	NT				
V2CEXX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
VDKJKJ	GlobalFiler™ (STRmix v2.4.06)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VFRP97	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VHBQ6D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
VHF4WF	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
VN3RT7	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

VPEQLU	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NID	NID	NID		
VQ443R	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	-
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	-	-	12.2,16	9,9.3	9,10
	14,16	-	-	-	-	
VRKX6M	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
VTE88H	PowerPlex® Fusion 6C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
VJJND	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
W4EML9	GlobalFiler™, MiniFiler (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
W68KWZ	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

WBDEQV	PowerPlex® Fusion 5C (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
WBXV7X	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
WHB4B7	GlobalFiler™, MiniFiler (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	-			-	
WHVMGD	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
WJNGCW	PowerPlex® Fusion 5C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11		9,9.3	9,10
	14,16					
WJPF4J	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
WL9KLE	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					



TABLE 2

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

Item 4 - STR Results

WM3DGX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WNK6T4	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WQLXD8	PowerPlex® 21					
	14,17.3	19,21		15,16	9,12	13,19
4	8,10	14,14		17,26	8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26	9,15	11,11		9,9.3	9,10
	14,16					
WRJFN4	GlobalFiler™ (STRmix v2.6)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
WZ9BGR	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16	NR	NR	NR		
WZEJUL	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XAEDHH	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

XF742D	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XGTJUF	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
XM7KCJ	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16	ND	ND	ND		
XNGZTK	GlobalFiler™ (STRmix v2.5)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
XP7BJD	GlobalFiler™ (STRmix 2.4)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	No result			No result	
XT6V34	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	
XULTV4	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16	NR			NR	

TABLE 2

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

Item 4 - STR Results

XUYX8D	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
XXY94D	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
Y6GCVU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Y6TBNH	PowerPlex® Fusion, GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
Y847EG	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
YGBRKV	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
YH8QU9	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					

TABLE 2

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

## Item 4 - STR Results

YUE9BX	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
YVQQPW	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
Z3PRAM	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
ZEZVJ6	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					
ZG6XEU	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
ZJC9BX	GlobalFiler™ (STRmix)					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
ZK697N	Identifiler® Plus					
		19,21		15,16	9,12	
4	8,10	14,14			8,12	13,14
	15,19	12.2,15	30,32.2		X,X	10,12
	21,26				9,9.3	9,10
	14,16					

TABLE 2

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

Item 4 - STR Results

ZMBMZ9	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
ZQAZLD	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11	12.2,16	9,9.3	9,10
	14,16					
ZQCL78	GlobalFiler™					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26			12.2,16	9,9.3	9,10
	14,16					
ZT7JZE	PowerPlex® 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					
ZW3ZZ9	PowerPlex® Fusion 6C					
	14,17.3	19,21	10,11	15,16	9,12	
4	8,10	14,14	14,18	17,26	8,12	13,14
	15,19	12.2,15	30,32.2	11,16	X,X	10,12
	21,26	9,15	11,11	12.2,16	9,9.3	9,10
	14,16					

# YSTR Amplification Kit(s) & Results

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
<b>Item 1 - YSTR Results</b>										
829XG2	PowerPlex® Y 23									
1	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
G6ZAFW	Yfiler™ Plus									
1	no results	no results	no results	no results	no results	no results	no results	no results	no results	no results
	no results	no results	no results	no results	no results	no results	no results	no results	no results	no results
	no results	no results		no results	no results	no results	no results			no results
M88H84	PowerPlex® Y 23									
1	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--	--
U3L79Y	Yfiler™ Plus									
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	No Result	No Result	No Result
	No Result	No Result		No Result	No Result	No Result	No Result			No Result

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>									
224KEP	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
2AKYJF	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
2D3AGK	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
2R6T9J	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
3UPFFH	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
4473RB	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
4CLU4V	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
4M4GAP	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
4PP6MB	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
62XG94	Yfiler™ Plus								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
66C6RE	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
6LQ2JU	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
6P3C8H	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
6PKAGA	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
6QGKCC	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		12
							22		12
6VQQ7X	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
72C86T	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
79RY8C	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		12
							22		12
7VK28H	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
7XUW64	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		12
							22		12
7XY4HX	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
829XG2	PowerPlex® Y 23								
2	-	17	12,12	13	28	23	10	11	13
	15	10	12	21	-	14	18	-	22
	-	12	10	19	18	-	22	12	12
8A4TMC	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
8BGJWG	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12



TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
8V76QX	PowerPlex® Y 23								
2	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
9B8999	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
9BDB8U	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
9MMG92	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
9UMBEA	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
ATTCNU	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
BB39NY	Yfiler™								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
						22		12	
CA3WXN	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
CE6LQJ	Yfiler™								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
						22		12	
CEYG6E	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
CFVR33	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
CJWT6K	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	

TABLE 3

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

## Item 2 - YSTR Results

CMCJD2	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
CMDFLB	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
CNPUAK	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
CVPEBF	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
CW2894	PowerPlex® Y 23								
2	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
CW2GDZ	PowerPlex® Y 23								
2	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
DCPNQ7	PowerPlex® Y 23, SignaturePrep Primer Set B								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	14	18	10	22	
	12	10	19	18		22	12	12	
DQT6KE	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
E7ZJJN	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
EAZN4V	Yfiler™								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
						22		12	
EPU4C2	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
EVJLQD	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12

TABLE 3

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

## Item 2 - YSTR Results

EYXCZE	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FMGAT8	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FNWCZF	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FXHLXN	Yfiler™								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
G6ZAFW	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GAUY6G	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GKQ8JC	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GMGWY6	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GNQGUE	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
H3PBRL	PowerPlex® Y 23								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
H6D248	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
HGQGUC	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
J4DK7Z	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
J4G8J8	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
J9V7BL	PowerPlex® Y 23								
2	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JCB7JU	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JG73Z8	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JHW7P9	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JJT4XL	PowerPlex® Y 23								
2	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JPWJV4	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
JQA8XF	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
K6M3MB	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
KTBK82	PowerPlex® Y 23, Signature Prep Primer B								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	14	18	10	22	
	12	10	19	18		22	12	12	
KU3MUG	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

## Item 2 - YSTR Results

KYB7QN	Yfiler™								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
L4AQKZ	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
LBTY7B	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
LL9DZH	PowerPlex® Y PP23								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
LT89AX	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
M7CZ72	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
M88H84	PowerPlex® Y 23								
2	--	17	12	13	28	23	10	11	13
	15	10	12	21	--	14	18	--	22
	--	12	10	19	18	--	22	12	12
MFYCJK	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
MP3UPG	PowerPlex® Y 23								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
MW74AC	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
MWKKGX	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
MYBVZ4	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

## Item 2 - YSTR Results

MYPQQH	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
N8X2NV	Yfiler™								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
NB46BW	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
NJWM2L	PowerPlex® Y 23								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
NV6Q3A	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
NZZKYB	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
P3LN6M	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
PPFDYZ	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
PTUA43	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
Q6MJFU	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
Q7K6FV	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
QNE7LY	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
RCHBAP	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
RCJ9JY	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
RNQARA	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	NT	19	18	21	22	NT	12
RTLZZ	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
TWALV3	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
TXWQEE	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
U3L79Y	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
U9W7T6	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
UXXGTV	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
VRKX6M	PowerPlex® Y 23								
2	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
WJJND	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
W4EML9	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12

TABLE 3

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

## Item 2 - YSTR Results

W68KWZ	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
WBDEQV	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
WBXV7X	Yfiler™ YFP								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
WHB4B7	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
WJPF4J	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
WM3DGX	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
WQLXD8	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
XGTJUF	PowerPlex® Y 23								
2		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
XT6V34	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
XULTV4	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
XXY94D	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
Y6TBNH	Yfiler™ Plus, PowerPlex® Y 23								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	10	19	18	21	22	12	12



TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 2 - YSTR Results</b>									
YUE9BX	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
Z3PRAM	Yfiler™ Plus								
2	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
ZEZVJ6	PowerPlex® Y 23								
2		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
ZQCL78	Yfiler™ Plus								
2	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

## Item 3 - YSTR Results

224KEP	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
2AKYJF	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
2D3AGK	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
2R6T9J	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
3UPFFH	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
4473RB	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
4CLU4V	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
4M4GAP	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
4PP6MB	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
62XG94	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
66C6RE	PowerPlex® Y 23								
3		17	12	13	28	23	10	11,[13]	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
6LQ2JU	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

## Item 3 - YSTR Results

6P3C8H	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
6PKAGA	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
6QGKCC	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
							22		12
6VQQ7X	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
72C86T	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
73QHYR	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
79RY8C									
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
							22		12
7VK28H	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
7XUW64	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
							22		12
7XY4HX	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
829XG2	PowerPlex® Y 23								
3	-	17	12,12	13	28	23	10	11	13
	15	10	12	21	-	14	18	-	22
	-	12	10	19	18	-	22	12	12
8A4TMC	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12

TABLE 3

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

Item 3 - YSTR Results

8BGJWG	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
8V76QX	PowerPlex® Y 23								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
9B8999	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
9BDB8U	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
9MMG92	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
9UMBEA	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
ATTCNU	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
BB39NY	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
							22		12
CA3WXN	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
CE6LQJ	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
							22		12
CEYG6E	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
CFVR33	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12

TABLE 3

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

## Item 3 - YSTR Results

CJWT6K	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
CMCJD2	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
CMDFLB	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
CNPUAK	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
CVPEBF	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
CW2894	PowerPlex® Y 23								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
CW2GDZ	PowerPlex® Y 23								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
DA42XJ	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
DQT6KE	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
E7ZJJN	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
EAZN4V	Yfiler™								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
EPU4C2	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12

TABLE 3

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

## Item 3 - YSTR Results

EVJLQD	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
EYXCZE	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FMGAT8	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FNWCZF	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
FXHLXN	Yfiler™								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		
							22		12
G6ZAFW	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GAUY6G	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GKQ8JC	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GMGWY6	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
GNQGUE	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
H3PBRL	PowerPlex® Y 23								
3		17	12,12	13	28	23	10	11	13
		15	10	12	21		14	18	22
		12	10	19	18		22	12	12
H6D248	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 3 - YSTR Results</b>									
J4DK7Z	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
J4G8J8	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
J9V7BL	PowerPlex® Y 23								
3	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JCB7JU	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JG73Z8	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JHW7P9	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JJT4XL	PowerPlex® Y 23								
3	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
JPWJV4	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
JQA8XF	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
K6M3MB	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
KTBK82	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
KU3MUG	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

Item 3 - YSTR Results

KYB7QN	Yfiler™								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
KYFJKC	Yfiler™								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
L4AQKZ	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
LBTY7B	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
LL9DZH	PowerPlex® Y PP23								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
LNF8PA	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
LT89AX	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
M7CZ72	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
M88H84	PowerPlex® Y 23								
3	--	17	12	13	28	23	10	11	13
	15	10	12	21	--	14	18	--	22
	--	12	10	19	18	--	22	12	12
MFYCJK	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
MP3UPG	PowerPlex® Y 23								
3		17	12,12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
MW74AC	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12



TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
<b>Item 3 - YSTR Results</b>									
MWKKGX	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
MYBVZ4	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
MYPQQH	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
N8X2NV	Yfiler™								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18			
						22		12	
NB46BW	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
NJWM2L	PowerPlex® Y 23								
3	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
NV6Q3A	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
NVLUPA	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
NZZKYB	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
P3LN6M	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
PPFDYZ	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
PTUA43	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12

TABLE 3

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

Item 3 - YSTR Results

Q6MJFU	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
Q7K6FV	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
QNE7LY	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
RAZ2E7	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
RCHBAP	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
RCJ9JY	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
RNQARA	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	NT	19	18	21	22	NT	12
RTLZZ	PowerPlex® Y 23								
3		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12
TDTG66	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
TWALV3	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
TXWQEE	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12
U3L79Y	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12		19	18	21	22		12

TABLE 3

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

## Item 3 - YSTR Results

U9W7T6	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
UXXGTV	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
VRKX6M	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
WJND	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
W4EML9	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
W68KWZ	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
WBDEQV	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
WBXV7X	Yfiler™ YFP								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
WHB4B7	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
WJPF4J	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
WM3DGX	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	
WQLXD8	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22		12	

TABLE 3

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

Item 3 - YSTR Results

XGTJUF	PowerPlex® Y 23								
3	17	12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
XT6V34									
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
XULTV4	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
XXY94D	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
Y6TBNH	Yfiler™ Plus, PowerPlex® Y 23								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	10	19	18	21	22	12	12
YUE9BX	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
Z3PRAM	Yfiler™ Plus								
3	35,38	17	12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12
ZEZVJ6	PowerPlex® Y 23								
3	17	12,12	13	28	23	10	11	13	
	15	10	12	21	14	18		22	
	12	10	19	18		22	12	12	
ZQCL78	Yfiler™ Plus								
3	35,38	17	12,12	13	28	23	10	11	13
	15	10	12	21	29	14	18	10	22
	37	12	19	18	21	22			12

TABLE 3

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

Item 3e - YSTR Results

DCPNQ7	PowerPlex® Y 23								
3e		17	12	13	28	23	10	11	13
	15	10	12	21		14	18		22
		12	10	19	18		22	12	12

TABLE 3

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

Item 3sp - YSTR Results

DCPNQ7 PowerPlex® Y 23

3sp



TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
<b>Item 4 - YSTR Results</b>										
829XG2	PowerPlex® Y 23									
4	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
CJWT6K	Yfiler™ Plus									
4	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
G6ZAFW	Yfiler™ Plus									
4	no results	no results	no results	no results	no results	no results	no results	no results	no results	no results
	no results	no results	no results	no results	no results	no results	no results	no results	no results	no results
	no results	no results	no results	no results	no results	no results	no results	no results	no results	no results
JQA8XF	PowerPlex® Y 23									
4	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
M7CZ72	Yfiler™ Plus									
4										
U3L79Y	Yfiler™ Plus									
4	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	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
UXXGTV	PowerPlex® Y 23									
4	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

# 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
146	DCPNQ7		C						
	KTBK82		C						
152	DCPNQ7		C						
	KTBK82		C						
16083	DCPNQ7		T						
	KTBK82		T						
16111	DCPNQ7		T						
	KTBK82		T						
16223	DCPNQ7		T						
	KTBK82		T						
16256	DCPNQ7		T						
	KTBK82		T						
16290	DCPNQ7		T						
	KTBK82		T						
16319	DCPNQ7		A						
	KTBK82		A						
16362	DCPNQ7		C						
	KTBK82		C						
214	DCPNQ7		G						
	KTBK82		G						
235	DCPNQ7		G						
	KTBK82		G						
263	DCPNQ7		G						
	KTBK82		G						
309.1	DCPNQ7		C						
	KTBK82		C						
309.2									



Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
309.2 cont'd	DCPNQ7		C						
	KTBK82		C						
315.1	DCPNQ7		C						
	KTBK82		C						
73	DCPNQ7		G						
	KTBK82		G						
AM	7XUW64						X,X		
D17S1301	DCPNQ7		11,13						
	KTBK82		11,13						
D20S482	DCPNQ7		14,16						
	KTBK82		14,16						
D4S2408	DCPNQ7		9,10						
	KTBK82		9,10						
D6S1043	VPEQLU	13,19							
D9S1122	DCPNQ7		10,12						
	KTBK82		10,12						
DXS10074	DCPNQ7		17						
	KTBK82		17						
DXS10103	DCPNQ7		18						
	KTBK82		18						
DXS10135	DCPNQ7		21.1						
	KTBK82		21.1						
DXS7132	DCPNQ7		12						
	KTBK82		12						
DXS7423	DCPNQ7		15						
	KTBK82		15						
DXS8378	DCPNQ7		11						
	KTBK82		11						
DYS505	DCPNQ7		11						

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
DYS505 cont'd	KTBK82		11						
DYS522	DCPNQ7		11						
	KTBK82		11						
DYS612	DCPNQ7		29						
	KTBK82		29						
HLADQA1	LNEFQ3	4.1,4.2/4.3	1.1,1.2						
HPRTB	DCPNQ7		14						
	KTBK82		14						
PENTA E	VPEQLU	11							
QS1	7XUW64								
QS2	7XUW64								

# DNA Interpretations

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

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
224KEP	Yes	Yes	Yes	No	4473RB	Yes	Yes	Yes	No
226HPK	Yes	Yes	Yes	No	46GLN8	Yes	Yes	Yes	No
29UGFE	Yes	Yes	Yes	No	47EX68	Yes	Yes	Yes	No
2AKYJF	Yes	Yes	Yes	No	47VMJ2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2BEXJZ	Yes	Yes	Yes	No	48VQM6	Yes	Yes	Yes	No
2BYGP8	Yes	Yes	Yes	No	4CLU4V	Yes	Yes	Yes	No
2D3AGK	Yes	Yes	Yes	No	4LNYAP	Yes	Yes	Yes	No
2HVHGK	Yes	Yes	Yes	No	4M4GAP	Yes	Yes	Yes	No
2HYXZC	Yes	Yes	Yes	No	4PP6MB	Yes	Yes	Yes	No
2NJ22M	Yes	Yes	Yes	No	4PRXJX	Yes	Yes	Yes	No
2R6T9J	Yes	Yes	Yes	No	4VE4D4	Yes	Yes	Yes	No
32LEP6	Yes	Yes	Yes	No	4WCE98	Yes	Yes	Yes	No
368QFG	Yes	Yes	Yes	No	4X62D3	No Interpretations Reported, DNA Analyzed for Database purposes only.			
36LQL4	Yes	Yes	Yes	No	62X9QJ	Yes	Yes	Yes	No
3DFVE6	Yes	Yes	Yes	No	62XG94	Yes	Yes	Yes	No
3DXCLE	Yes	Yes	Yes	No	66C6RE	Yes	Yes	Yes	No
3EEWJC	Yes	Yes	Yes	No	678QK7	Yes	Yes	Yes	No
3HA8FQ	Yes	Yes	Yes	No	69GQPD	Yes	Yes	Yes	No
3HPNEP	Yes	Yes	Yes	No	6LQ2JU	Yes	Yes	Yes	No
3U77FA	Yes	Yes	Yes	No	6NA9VB	Yes	Yes	Yes	No
3UPFFH	Yes	Yes	Yes	No	6NMYJL	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
6P3C8H	Yes	Yes	Yes	No	8CBCNT	Yes	Yes	Yes	No
6PKAGA	Yes	Yes	Yes	No	8PZQL8	Yes	Yes	Yes	No
6PLX4F	Yes	Yes	Yes	No	8R7N6B	Yes	Yes	Yes	No
6QGKCC	Yes	Yes	Yes	No	8V63RZ	Yes	Yes	Yes	No
6QHCTT	Yes	Yes	Yes	No	8V76QX	Yes	Yes	Yes	No
6VQQ7X	Yes	Yes	Yes	No	8WBG7T	Yes	Yes	Yes	No
72C86T	No Interp	No Interp	Yes	No Interp	8WHZA4	Yes	Yes	Yes	No
73QHYP	Yes	Yes	Yes	No	968HDX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
79RY8C	Yes	Yes	Yes	No	9B8999	Yes	Yes	Yes	No
79TR6K	Yes	Yes	Yes	No	9BDB8U	Yes	Yes	Yes	No
7AP2JV	Yes	Yes	Yes	No	9EWXT8	Yes	Yes	Yes	No
7ELRNL	No Interp	No Interp	No Interp	No Interp	9K3Y3W	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7FCXZ7	Yes	Yes	Yes	No	9LENH3	Yes	Yes	Yes	No
7TXEKW	Yes	Yes	Yes	No	9MMG92	Yes	Yes	Yes	No
7VK28H	Yes	Yes	Yes	No	9N3BXW	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7XUW64	Yes	Yes	Yes	No	9UMBEA	Yes	Yes	Yes	No
7XY4HX	Yes	Yes	Yes	No	9UPZH7	Yes	Yes	Yes	No
7ZY8UX	Yes	Yes	Yes	No	A3E9HM	Yes	Yes	Yes	No
829XG2	Yes	Yes	Yes	No	A3VAGJ	Yes	Yes	Yes	No
82NCTH	Yes	Yes	Yes	No	A62FR4	Yes	Yes	Yes	No
89MWYJ	Yes	Yes	Yes	No	AAT2MR	Yes	Yes	Yes	No
8A4TMC	Yes	Yes	Yes	No	AF2QHY	Yes	Yes	Yes	No
8BGJWG	Yes	Yes	Yes	No	AJGFH3	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
AMKJMQ	Yes	Yes	Yes	No	CNPUAK	Yes	Yes	Yes	No
ATTCNU	Yes	Yes	Yes	No	CQBLGG	Yes	Yes	Yes	No
AU6NBK	Yes	Yes	Yes	No	CVPEBF	Yes	Yes	Yes	No
AW8RY2	Yes	Yes	Yes	No	CW2894	Yes	Yes	Yes	No
B2HY2Q	Yes	Yes	Yes	No	CW2GDZ	Yes	Yes	Yes	No
B92NXY	Yes	Yes	Yes	No	CWEMGB	Yes	Yes	Yes	No
BAA3ZY	Yes	Yes	Yes	No	CXWQY	Yes	Yes	Yes	No
BB39NY	Yes	Yes	Yes	No	D349UV	Yes	Yes	Yes	No
BL3WHG	Yes	Yes	Yes	No	DA42XJ	Yes	Yes	Yes	No
BRWGJX	Yes	Yes	Yes	No	DA4XRM	Yes	Yes	Yes	No
BXKF3D	Yes	Yes	Yes	No	DCPNQ7	Yes	Yes	Yes	No
C3LCWX	Yes	Yes	Yes	No	DDQCFW	Yes	Yes	Yes	No
C79EWW	Yes	Yes	Yes	No	DQT6KE	No Interp	No Interp	Yes	No Interp
CA3WXN	Yes	Yes	Yes	No	DUPRFN	Yes	Yes	Yes	No
CE6LQJ	Yes	Yes	Yes	No	E7VB7U	Yes	Yes	Yes	No
CEJFHX	Yes	Yes	Yes	No	E7ZJJN	Yes	Yes	Yes	No
CEYG6E	Yes	Yes	Yes	No	EAZN4V	Yes	Yes	Yes	No
CFVR33	Yes	Yes	Yes	No	EC6E9P	Yes	Yes	Yes	No
CHHLQV	Yes	Yes	Yes	No	EJA2DC	Yes	Yes	Yes	No
CJWT6K	Yes	Yes	Yes	No	EKYFTA	Yes	Yes	Yes	No
CMCJD2	Yes	Yes	Yes	No	EPU4C2	Yes	Yes	Yes	No
CMDFLB	Yes	Yes	Yes	No	EU6X4X	Yes	Yes	Yes	No
CNKMWQ	Yes	Yes	Yes	No	EVHYR	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
EVJLQD	No Interp	No Interp	No Interp	No Interp	H3PBRL	Yes	Yes	Yes	No
EYXCZE	Yes	Yes	Yes	No	H6D248	Yes	Yes	Yes	No
F3YZUU	Yes	Yes	Yes	No	HGQGUC	Yes	Yes	Yes	No
FB76UJ	Yes	Yes	Yes	No	HVP8UV	Yes	Yes	Yes	No
FKUVHW	Yes	Yes	Yes	No	HZJP4L	Yes	Yes	Yes	No
FMGAT8	Yes	Yes	Yes	No	J2PR7W	Yes	Yes	Yes	No
FNWCZF	Yes	Yes	Yes	No	J4DK7Z	Yes	Yes	Yes	No
FUGH8L	Yes	Yes	Yes	No	J4G8J8	Yes	Yes	Yes	No
FVDRLX	Yes	Yes	Yes	No	J9V7BL	Yes	Yes	Yes	No
FXHLXN	Yes	Yes	Yes	No	JBU82P	Yes	Yes	Yes	No
G6ZAFW	No Interp	No Interp	Yes	No Interp	JC9EM8	No Interp	No Interp	No Interp	No Interp
G9HTWY	Yes	Yes	Yes	No	JCB7JU	Yes	Yes	Yes	No
GAUY6G	Yes	Yes	Yes	No	JD8GEW	Yes	Yes	Yes	No
GBMZZ7	Yes	Yes	Yes	No	JFN7EZ	Yes	Yes	Yes	No
GELBV7	Yes	Yes	Yes	No	JG73Z8	Yes	Yes	Yes	No
GKQ8JC	Yes	Yes	Yes	No	JHW7P9	Yes	Yes	Yes	No
GMGWY6	Yes	Yes	Yes	No	JJT4XL	Yes	Yes	Yes	No
GMH9KU	Yes	Yes	Yes	No	JPWJV4	Yes	Yes	Yes	No
GNQGUE	Yes	Yes	Yes	No	JQA8XF	No Interp	No Interp	Yes	No
GQWYUV	Yes	Yes	Yes	No	JUNPA7	Yes	Yes	Yes	No
GVP3G9	Yes	Yes	Yes	No	JWJWMW	Yes	Yes	Yes	No
GWLN68	Yes	Yes	Yes	No	JZUNHA	Yes	Yes	Yes	No
GWN939	Yes	Yes	Yes	No	K4BDD8	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
K6M3MB	Yes	Yes	Yes	No	LT83GM	Yes	Yes	Yes	No
K72EJV	Yes	Yes	Yes	No	LT89AX	Yes	Yes	Yes	No
K7F3H2	Yes	Yes	Yes	No	LU4DGV	Yes	Yes	Yes	No
K96QCV	Yes	Yes	Yes	No	LU8B2M	Yes	Yes	Yes	No
K9KGCL	No Interpretations Reported, DNA Analyzed for Database purposes only.				LX3PCV	Yes	Yes	Yes	No
KGKTLX	Yes	Yes	Yes	No	M7CZ72	Yes	Yes	Yes	No
KHWDJE	Yes	Yes	Yes	No	M88H84	Yes	Yes	Yes	No
KNKVJN	Yes	Yes	Yes	No	MFYCJK	Yes	Yes	Yes	No
KQ88KE	Yes	Yes	Yes	No	MP3UPG	Yes	Yes	Yes	No
KTBK82	Yes	Yes	Yes	No	MP4226	Yes	Yes	Yes	No
KTEQKV	Yes	Yes	Yes	No	MW74AC	Yes	Yes	Yes	No
KU3MUG	Yes	Yes	Yes	No	MWKKGX	Yes	Yes	Yes	No
KYB7QN	Yes	Yes	Yes	No	MYAYRT	Yes	Yes	Yes	No
KYFJKC	Yes	Yes	Yes	No	MYBVZ4	Yes	Yes	Yes	No
KZEEDF	Yes	Yes	Yes	No	MYPQQH	Yes	Yes	Yes	No
L4AQKZ	Yes	Yes	Yes	No	N8X2NV	Yes	Yes	Yes	No
L7G7VC	Yes	Yes	Yes	No	N8YUL3	Yes	Yes	Yes	No
L9EHMH	Yes	Yes	Yes	No	NB46BW	Yes	Yes	Yes	No
LBTY7B	Yes	Yes	Yes	No	NJWM2L	Yes	Yes	Yes	No
LL9DZH	Yes	Yes	Yes	No	NKNGKN	Yes	Yes	Yes	No
LNFEQ3	Yes	Yes	Yes	No	NPWDWW	Yes	Yes	Yes	No
LN74C	Yes	Yes	Yes	No	NRAAWM	Yes	Yes	Yes	No
LN78PA	Yes	Yes	Yes	No	NV6Q3A	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
NVLUPA	Yes	Yes	Yes	No	RF2XXM	Yes	Yes	Yes	No
NWGLDF	Yes	Yes	Yes	No	RFHL7P	Yes	Yes	Yes	No
NZZKYB	Yes	Yes	Yes	No	RGAPQJ	Yes	Yes	Yes	No
P3LN6M	Yes	Yes	Yes	No	RLN829	Yes	Yes	Yes	No
PBXUVY	Yes	Yes	Yes	No	RLPHYH	Yes	Yes	Yes	No
PPFDYZ	Yes	Yes	Yes	No	RNQARA	Yes	Yes	Yes	No
PQ7TXB	Yes	Yes	Yes	No	RNW9GD	No Interpretations Reported, DNA Analyzed for Database purposes only.			
PQU8PE	Yes	Yes	Yes	No	RPQJ4L	Yes	Yes	Yes	No
PRJCQK	Yes	Yes	Yes	No	RQLJ7L	Yes	Yes	Yes	No
PTUA43	Yes	Yes	Yes	No	RRVQBY	Yes	Yes	Yes	No
Q6MJFU	Yes	Yes	Yes	No	RTLZZZ	Yes	Yes	Yes	No
Q7K6FV	Yes	Yes	Yes	No	RUJ6YA	Yes	Yes	Yes	No
Q8EDEK	Yes	Yes	Yes	No	T82ZJJ	Yes	Yes	Yes	No
QCMX3G	Yes	Yes	Yes	No	T9D7R2	Yes	Yes	Yes	No
QEBPF3	Yes	Yes	Yes	No	TANXVB	Yes	Yes	Yes	No
QGB86G	Yes	Yes	Yes	No	TBKKGF	Yes	Yes	Yes	No
QGVQCA	Yes	Yes	Yes	No	TDNARB	Yes	Yes	Yes	No
QNE7LY	Yes	Yes	Yes	No	TDTG66	Yes	Yes	Yes	No
RACTA9	Yes	Yes	Yes	No	TFFGHK	Yes	Yes	Yes	No
RAZ2E7	Yes	Yes	Yes	No	TGRLPG	Yes	Yes	Yes	No
RBANMP	Yes	Yes	Yes	No	TQXTK4	Yes	Yes	Yes	No
RCHBAP	Yes	Yes	Yes	No	TTMPXH	Yes	Yes	Yes	No
RCJ9JY	Yes	Yes	Yes	No	TWALV3	Yes	Yes	Yes	No



TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
TXWQEE	Yes	Yes	Yes	No	WBXV7X	Yes	Yes	Yes	No
U3L79Y	Yes	Yes	Yes	No	WHB4B7	Yes	Yes	Yes	No
U9W7T6	Yes	Yes	Yes	No	WHVMGD	Yes	Yes	Yes	No
UA96ME	Yes	Yes	Yes	No	WJNGCW	Yes	Yes	Yes	No
UG7LCY	Yes	Yes	Yes	No	WJPF4J	Yes	Yes	Yes	No
UJRJNV	Yes	Yes	Yes	No	WL9KLE	Yes	Yes	Yes	No
URQ7HG	Yes	Yes	Yes	No	WM3DGX	Yes	Yes	Yes	No
UTK3EH	Yes	Yes	Yes	No	WNK6T4	Yes	Yes	Yes	No
UXXGTV	Yes	Yes	Yes	No	WQLXD8	Yes	Yes	Yes	No
V2CEXX	Yes	Yes	Yes	No	WRJFN4	Yes	Yes	Yes	No
VDKJKJ	Yes	Yes	Yes	No	WZ9BGR	Yes	Yes	Yes	No
VFRP97	Yes	Yes	Yes	No	WZEJUL	Yes	Yes	Yes	No
VHBQ6D	Yes	Yes	Yes	No	XAEDHH	Yes	Yes	Yes	No
VHF4WF	Yes	Yes	Yes	No	XF742D	Yes	Yes	Yes	No
VN3RT7	Yes	Yes	Yes	No	XGTJUF	Yes	Yes	Yes	No
VPEQLU	Yes	Yes	Yes	No	XM7KCJ	Yes	Yes	Yes	No
VQ443R	Yes	Yes	Yes	No	XNGZTK	Yes	Yes	Yes	No
VRKX6M	Yes	Yes	Yes	No	XP7BJD	Yes	Yes	Yes	No
VTE88H	Yes	Yes	Yes	No	XT6V34	Yes	Yes	Yes	No
WJJND	Yes	Yes	Yes	No	XULTV4	Yes	Yes	Yes	No
W4EML9	Yes	Yes	Yes	No	XUYX8D	Yes	Yes	Yes	No
W68KWZ	Yes	Yes	Yes	No	XXY94D	Yes	Yes	Yes	No
WBDEQV	Yes	Yes	Yes	No	Y6GCVU	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
Y6TBNH	Yes	Yes	Yes	No					
Y847EG	Yes	Yes	Yes	No					
YGBRKV	Yes	Yes	Yes	No					
YH8QU9	Yes	Yes	Yes	No					
YUE9BX	Yes	Yes	Yes	No					
YVQQPW	Yes	Yes	Yes	No					
Z3PRAM	Yes	Yes	Yes	No					
ZEZVJ6	Yes	Yes	Yes	No					
ZG6XEU	Yes	Yes	Yes	No					
ZJC9BX	Yes	Yes	Yes	No					
ZK697N	Yes	Yes	Yes	No					
ZMBMZ9	Yes	Yes	Yes	No					
ZQAZLD	Yes	Yes	Yes	No					
ZQCL78	Yes	Yes	Yes	No					
ZT7JZE	Yes	Yes	Yes	No					
ZW3ZZ9	Yes	Yes	Yes	No					

<b>DNA Interpretation</b>					
<b>Response Summary</b>			<b>Participants reporting DNA results: 334</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>319</b>	<b>319</b>	<b>323</b>	<b>0</b>
No		<b>0</b>	<b>0</b>	<b>0</b>	<b>320</b>
Inc		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
No Interpretation		<b>7</b>	<b>7</b>	<b>3</b>	<b>6</b>
No Response		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Participants analyzing DNA for database purposes only: 8

# Additional Comments

## TABLE 6

WebCode	Additional Comments
2AKYJF	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using the DNA QIAAsymphony DNA Investigator Kit via QIAAsymphony SP. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI Quantstudio 5 Real-Time PCR System. 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 and Item 3 were further amplified using AmF1STR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). Electrophoresis was also carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 3 (Y-Filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM : Non-male allele.
2C8U79	No DNA analysis performed; screening only.
2D3AGK	Serology performed by qualified Forensic Biology analyst. NR = No Results.
2HVVHGK	# indicates known peak subtracted
2NJ22M	Saliva testing was not performed on Item 3 or Item 4, because the laboratory does not implement a standard operating procedure for such testing. Semen testing was not performed on Item 3 or Item 4 because of the case information. The investigation is of a physical assault. The victim mentions that the suspect "began beating the victim." Even though the victim states the two were "having an affair for several months," there is no evidence of sexual assault.
368QFG	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 used at loci Y indel and DYS391.
36LQL4	Inclusion and exclusion are based on alleles present in the mixture, no mixture resolution or statistical analysis was performed.
3DFVE6	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.
3DXCLE	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.
3HPNEP	reporting results with stutter filters on

TABLE 6

WebCode	Additional Comments
47EX68	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.
4CLU4V	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
4LNYAP	Reporting results with stutter filters on.
4M4GAP	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
62XG94	We obtained a DNA mixture from item 3, the contributors in this mixture are the suspect and victim (item 2 and item 1) with 1:1 ratio according to the duo quantitation (Duo Quantifiler).
66C6RE	Note: An additional allele was detected at the DYS392 locus for Item 3, which may indicate an additional contributor; however, due to the limited information obtained this data is inconclusive for comparison purposes
69GQPD	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 denotes no results.
6P3C8H	The 17 allele reported at D3S1358 and the 13 allele reported at D8S1179 for Item 3 are in elevated stutter positions but were not filtered with the laboratory analysis software. Per laboratory protocol, the 17 allele was modeled as N-4/N+4 stutter peaks and the 13 allele was modeled as an N-4 stutter peak versus true minor alleles and evaluated with the rest of the profile interpretation using probabilistic genotyping software.
6PLX4F	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 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.
6QGKCC	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using QIASymphony DNA Investigator Kit on QIASymphony SP instrument. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express (GFE) kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2 and Item 3 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500xL for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - non male allele.
6QHCTT	[Name] is responsible for lab work of all samples and data interpretation for reference samples. [Name] is responsible for data interpretation of questioned samples and conclusions made on report.
72C86T	Ex.4: AP Inc due to substrate color. Ex.1 and Ex.4: Stopped at Quant due to 0% male.

TABLE 6

WebCode	Additional Comments
79RY8C	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using DNA QIASymphony DNA Investigator kit on QIASymphony SP. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 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 and Item 3 were amplified using AmpFLSTR Y-filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 3 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male allele.
7ELRNL	Modified Rapid DNA analysis conducted on Item 1 and 2. (RapidHit). Items 3 and 4 not processed, no DNA interpretation conducted. NID = no interpretable data.
7TXEKW	NR = no DNA typing results detected at this locus
7XY4HX	Minifiler was also used to amplify item 4. Concordant results were obtained with item 4 for GlobalFiler and Minifiler.
7ZY8UX	Please note that (bracketed) allele calls for items 3 and 4 represent peaks in stutter positions which were above laboratory thresholds.
829XG2	Biochemical analysis showed that sample items 3 and item 4 are traces of human blood. The genetic analysis shows that the blood of the sample item 4 belongs to the reference subject item 1 (RMP 1.4001e-37 STRIdER 2.0 with entire database); sample item 3 contains mixed DNA formed by the mixture of subjects item 1 and item 2 (LR 1.6401035709314622E50 LRmixstudio vr. 2.1.3 with database NGMSe_Caucasian (Hill et al)).
8A4TMC	NR = No Results
8CBCNT	reporting results with stutter filters on
8R7N6B	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.
9BDB8U	Minifiler was also used to amplify item 4. Concordant results were obtained for item 4 with GlobalFiler and Minifiler.
9LENH3	reporting with stutter filters on
AAT2MR	reporting results with stutter filters on
AF2QHY	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.
AMKJMQ	Item 4: Acid phosphatase test was inconclusive due to fabric color.
ATTCNU	NR = Not reportable
AU6NBK	Reporting results with stutter filters on.

TABLE 6

WebCode	Additional Comments
B2HY2Q	analyzed with stutter filters on
BRWGJX	NR: Not reportable/no result
BXXF3D	[ ] = Lighter intensity allele. NR = No DNA result.
C3LCWX	reporting with stutter filters on
C79EWW	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.
CEJFHX	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.
CNKMWQ	NR = no result
CWEMGB	^ indicates peaks below stochastic threshold as per [Laboratory] policy
DA4XRM	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.
DCPNQ7	16024-16365 and 73-340 (reported mito ranges)
E7ZJJN	Minifiler was also used to amplify item 4. Concordant results were obtained for all loci for GlobalFiler and Minifiler.
EC6E9P	NR = no results. NT = not tested.
EJA2DC	NID = No Interpretable data. Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to create likelihood ratios on the following propositions: Item 3: 1s2s_2sU; Item 4: 1s_U. Item 1 was run on both the RapidHIT and ANDE instruments using the GlobalFiler Express and FlexPlex kits, respectively. Additional genetic information was obtained at the following loci: Penta E: 11; D6S1043: 13,19.
EVJLQD	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians
EYXCZE	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.
FNWCZF	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.
FUGH8L	NR = no results

TABLE 6

WebCode	Additional Comments
FXHLXN	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 out during conventional analysis.
G6ZAFW	Conclusions are solely based on the Y-typing results obtained.
G9HTWY	Saliva and semen testing are not supported by the scenario. Our laboratory only conducts Y-screening quant stop for sexual assaults where male DNA is the probative component to the sample; Y-screening quant stop is also not supported by this scenario.
GAUY6G	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.
GELBV7	Elevated stutter on Item 4 at D12S391.
GMGWY6	A qualified Forensic Biologist performed any screening testing. The DNA analyst reviewed and interpreted the male screen results. NR = No Results.
GNQGUE	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.
GWN939	NID=no interpretable data. Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used to calculate a likelihood ratio on the following proposition for item 3: 2s1s/2sU. For item 4: 1s/U.
H9UJ8A	Y-Screening conducted only. DNA Analysis was not performed. Male DNA was indicated on Item 3. Male DNA was not indicated on Item 4.
JC9EM8	PowerPlex Fusion 6C sample processing was conducted on items 1, 2, 3 and 4. Autosomal analysis and interpretation was not conducted on items 3 and 4. No comparisons to evidence was done with items 1 and 2. NID = No Interpretable Data.
JFN7EZ	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 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.
JPWJV4	Screening performed by Forensic Biologist [Initials]. NR = No Result.
JQA8XF	Item 4 had faint ALS+ staining on perimeter of stain. Item 4 was inconclusive for acid phosphatase due to substrate color. Y-STR analysis only. Item 1 did not have detectable male DNA, therefore item 1 was not amplified.
JUNPA7	NR=no results
JZUNHA	reporting results with stutter filters on.
K6M3MB	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.
KNKVJN	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.
KTBK82	Only mtDNA CR ranges 73-340, 16024-16365 reported.

TABLE 6

WebCode	Additional Comments
KZEEDF	Exhibit 4 inconclusive for AP due to fabric color
L4AQKZ	A qualified Forensic Biologist performed all screening tests listed. NR = No Results.
L7G7VC	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
L9EHMH	N/R = No typing result. NT = Not tested. 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.
LBTY7B	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.
LNF74C	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.
LT83GM	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.
LT89AX	NR = No Result. The results for DYS391 were concordant between GlobalFiler and Y-Filer Plus.
M7CZ72	Item 3 is mixture DNA of two people (victim and suspect). Test for human blood is positive. Tests for saliva and semen are negative. Item 4 is only DNA victim. Test for human blood is positive. Tests for saliva and semen are negative.
M88H84	Item-3 is a DNA mixture. Female (Item-1) and Male (Item-2) DNA are in the DNA mixture. Item-4 is single source, female DNA (Item-1).
MFYCJK	NR = No Result
MW74AC	The probabilistic genotyping software STRmix was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
N8X2NV	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 was extracted using the DNA QIASymphony DNA Investigator kit on QIASymphony SP. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 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 and Item 3 were further amplified using AmFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 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 and Item 3(Y-Filer). Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non-male allele.
NB46BW	NR = No Results. Loci tested with both Yfiler Plus and Globalfiler were concordant. Male screen and blood testing was performed by a forensic biologist.



TABLE 6

WebCode	Additional Comments
NKNGKN	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.
NWGLDF	NR = No DNA results obtained. Ouchterlony via $\alpha$ -HuHb. Radial Diffusion via $\alpha$ -amylase.
NZZKYB	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
PBXUVY	NR - no result. # - indicates subtraction performed per SOP.
PPFDYZ	The 15 allele reported at D16S539 for Item 3 is in an elevated stutter position but was not filtered with the laboratory analysis software. Per laboratory protocol, it was modeled as a N+4 stutter peak versus a true minor allele and evaluated with the rest of the profile interpretation using probabilistic genotyping software.
PRJCQK	Reporting with stutter filters on
Q6MJFU	NR = no results. Screening tests performed by qualified Forensic Biologist. DNA analyst reviewed and interpreted male screen results.
Q7K6FV	NR = No Result. A qualified Forensic Biologist performed all screening tests noted on page 2 [Table 1].
QPWGYQ	Not interpreted; qualified through capillary electrophoresis and not data analysis.
RACTA9	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.
RBANMP	ND = not detected
RLN829	NR = no result
RNQARA	NR = No results. NT = Not tested.
RPQJ4L	Based on the physical assault scenario and the evidence samples provided, no screening was done for semen or saliva.
RUJ6YA	Item 3 : suspect's pants. 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. The alleles listed below are not present in the population statistics. They have been assigned the frequency 0.007: Allele 11 at locus VWA of Item 3; Allele 11 at locus D19S433 of Item 3; Allele 11 at locus VWA of Item 2; Allele 11 at locus D19S433 of Item 2. Results: Overall Likelihood ratio: 1,67E029. Item 4 : victim's pant. Suspect's profil is not detected in Item 4.
T82ZJJ	Item 3 there is a 22 allele at D2S1338 that drops below analytical threshold when stutter is removed (marked as A/TA).
T9D7R2	Reporting results with stutter filters on.
TANXVB	NR= No results

TABLE 6

WebCode	Additional Comments
TDNARB	NR = no result
TWALV3	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.
TXWQEE	for items 3 and 4 the Identifiler Plus and MiniFiler results obtained from each sample were concordant
U9W7T6	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
UJRJNV	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used to calculate the following propositions: Item 3: 1s2s_2sU; Item 4: 1s_U. Per [Laboratory] policy, STRmix would not be run in casework for Item 4 as the item was from the victim (1s). Stat run for PT purposes only. NID= No Interpretable Data. Y-Screening performed on Items 3 and 4. Rapid DNA performed on Items 1 and 2.
UTK3EH	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.
VDKJKJ	Elevated stutter and pull up observed in profiles for Items 3 and 4. Item 1 had to be re-amplified with increased cycles due to locus dropout.
VN3RT7	Biology portion done by [Initials] and DNA portion done by [Initials]. Amylase diffusion test is a presumptive test for amylase, an enzyme found in body fluids, including saliva. 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.
VPEQLU	NID = No interpretable data. Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio for the following: Item 3- Proposition: Item2sItem1s_Item2sU. Item 4- Proposition: Item1s_U. Per [Laboratory] policy, STRmix would not be run in casework as Item 4 was from the victim (Item 1). Statistics run for PT purposes only. Item 1s was processed both on RapidHIT ID using Global Filer Express and on ANDE using FlexPlex. These profiles were concordant.
VTE88H	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.
W4EML9	Minifiler was also used to amplify item 4. Concordant results were obtained for item 4 from Globalfiler and MiniFiler.
W68KWZ	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.
WHB4B7	MiniFiler was also used to amplify item 4. Concordant results were obtained with item 4 for GlobalFiler and MiniFiler.
WJNGCW	AP testing performed for extraction method determination only.

TABLE 6

WebCode	Additional Comments
WM3DGX	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
WNK6T4	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.
WRJFN4	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.
XAEDHH	Item 1 required a re-amplification at 26 cycles due to poor sample quality.
XM7KCJ	ND=not detected
XNGZTK	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. NR=No Results
XULTV4	NR=No DNA types detected
XUYX8D	Item 3: 17 allele at D3 was struck as elevated stutter and not reported. Item 4: 25 allele struck at D12 as elevated stutter and not reported.
Y6GCVU	reporting results with stutter filters on
YGBRKV	reporting results with stutter filters on
YUE9BX	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.
YVQQPW	reported with stutter filters on
ZG6XEU	Reporting results with stutter filters on.
ZJC9BX	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.

-End of Report-  
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

**Test No. 21-5706: Forensic Biology**

DATA MUST BE SUBMITTED BY **Dec. 20, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: FNZGA3

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:**

Local police are investigating a physical assault involving a female victim and male suspect. Police were called to the victim's apartment after a neighbor called stating she heard screaming coming from that direction. At the scene, the police found the female victim with several injuries, some consistent with defense wounds. The suspect was also present at the scene with several injuries. The victim told police that she and the male suspect had been having an affair for several months. When the victim threatened to disclose their relationship to the suspect's wife, the suspect began beating the victim. Investigators are submitting a stain from the pants the suspect was wearing (Item 3) and a stain from the pants the victim was wearing (Item 4). Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

**Items Submitted (Sample Pack B6):**

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

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

### Part I: SCREENING TESTS

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

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

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

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

Example:	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
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:	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
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:	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
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 III: DNA INTERPRETATION

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

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

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

### Part IV: ADDITIONAL COMMENTS

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

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

## RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)