



Forensic Biology Test No. 21-5703 Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 378 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains on Items 1, 2, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 4 was a mixture prepared from human whole blood and semen. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Items 1 (75 μ l) and 3 (50 μ l) were created using blood collected from the same male donor. Item 2 (75 μ l) was created using blood collected from a male donor, but different from the donor used for Items 1 and 3. Item 4 (50 μ l) was created using a 1:1 mixture of blood from the male donor used in Item 1 and semen 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 April 19, 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

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	11,15	17,19	11,11.3	16,17	11,12	*
	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19	2	
2	15,15	19,24	11,13	15,17	10,12	*
	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17	2	
3	11,15	17,19	11,11.3	16,17	11,12	*
	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19	2	
4-Blood	11,15	17,19	11,11.3	16,17	11,12	*
	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19	2	
4-Semen	15,15	19,24	11,13	15,17	10,12	*
	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17	2	

YSTR Results									
Results compiled from predistribution laboratories and a consensus of at least 10 participants.									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13	12	22	19	24	22	12	11
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	13	18	17	22	23	10	11
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13	12	22	19	24	22	12	11
4-Blood	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13	12	22	19	24	22	12	11
4-Semen	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	13	18	17	22	23	10	11

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

Summary Comments

The 21-5703 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood collected from the same male donor. Item 2 was created using blood collected from a male donor, but different from the donor used for Items 1 and 3. Item 4 was created using a mixture of blood from the male donor used in Item 1 and semen from the male donor used in Item 2. (See Manufacturer's Information for preparation details)

Data were returned by 378 participants.

Screening Test Results:

Screening results were returned by a total of 363 participants. However, not all of these participants returned screening results for all fluids (blood, semen, saliva) for both questioned items, which explains the large differences in the tallies discussed below.

For Item 3, all 356 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, all 337 participants reported "Negative." For the presence of saliva, all 102 participants reported "Negative."

For Item 4, all 356 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, 340 participants reported "Positive" and one reported "Negative." For the presence of saliva, all 100 participants reported "Negative."

DNA Analysis Results:

Of the 378 participants that returned results, 357 reported DNA results. Ten participants stated that the samples were analyzed for database purposes only, and four selected the "No Interpretations" options individually for all interpretation questions.

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

For the Item 4 stain, the breakdown is as follows: all but one of the responding participants that reported interpretations included the victim (Item 1) and the suspect (Item 2) as a possible contributors. The remaining participant excluded the victim (Item 1) as a possible contributor.

A total of 180 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, 30 reported additional alleles compared to the consensus/predistribution results for one or more of the questioned items.

Twenty-one additional participants reported allelic responses that differed from the consensus/predistribution results for one or more items. The breakdown of inconsistencies is as follows: ten were missing alleles, eight reported additional alleles, two reported allelic results that differed from the consensus, and one reported a combination of inconsistency types. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

Key for Screening Tests Used

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

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

Serology Screening Results

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

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
22PKJD	Pos KM, Hexagon OBTI, BLUESTAR	Pos KM, Hexagon OBTI, BLUESTAR
27WBLJ	Pos KM	Pos KM
2ADALD	Pos FOB	Pos FOB
2DUXF6	Pos KM	Pos KM
2ERAW7	Pos KM, HemaTrace	Pos KM, HemaTrace
2F8AFV	Pos KM, HemaTrace	Pos KM, HemaTrace
2FR2GT	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
2KZHVM	Pos KM, HemaTrace	Pos KM, HemaTrace
2TR6HD	Pos KM, HB	Pos KM, HB
2UKZZF	Pos KM	Pos KM
2VXEL4	Pos LMG, Bluestar OBTI	Pos LMG, Bluestar OBTI
2VZUPB	Pos KM	Pos KM
2ZBBAD	Pos LMG	Pos LMG
33ZRCY	Pos KM	Pos KM
37CQER	Pos KM	Pos KM
38NNLG	Pos KM, HemaTrace	Pos KM, HemaTrace
38PKUR	Pos KM and HemaTrace	Pos KM and Takayama
39JAF9	Pos KM	Pos KM
39PATV	Pos O-tol, PPTH, HemDirect	Pos O-tol, PPTH, HemDirect
3AGDDP	Pos KM	Pos KM
3APRCJ	Pos KM	Pos KM
3CHKB9	Pos KM	Pos KM
3DGG7X	Pos LMG, HemaTrace	Pos LMG, HemaTrace
3DU9WT	Pos KM	Pos KM
3EU92Z	Pos KM, HB HemDirect	Pos KM, HB HemDirect
3GVJPM	Pos KM, HEM	Pos KM, HEM
3PBCAE	Pos KM, HemaTrace	Pos KM, HemaTrace
3RCA76	Pos KM	Pos KM
3RVTCC	Pos ALS, O-tol, Seratec HEM	Pos ALS, O-tol, SERATEC HEM
3TMRPB	Pos KM	Pos KM
3UYNVE	Pos O-tol	Pos O-tol, HemaTrace Card
4B4H3E	Pos KM Test	Pos KM Test
4CUJ4W	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4FHYNQ	Pos KM	Pos KM
4QW8XB	Pos KM	Pos KM
4RAVHB	Pos KM, HemDirect	Pos KM, HemDirect
4UXZJV	Pos LMG	Pos LMG
4VUHKW	Pos KM	Pos KM
4YA2DD	Pos KM	Pos KM
4YMT2N	Pos KM, HemaTrace	Pos KM, HemaTrace
642TWU	Pos KM	Pos KM
6BK6ZM	Pos LMG, HemaTrace	Pos LMG, HemaTrace
6DNPXV	Pos PTN, HemaTrace	Pos PTN, HemaTrace
6HYTWB	Pos KM, HemDirect	Pos KM, HemDirect
6JUDJA	Pos LMG	Pos LMG
6KQUXR	Pos KM	Pos KM
6N96WG	Pos KM	Pos KM
6NPFW6	Pos KM	Pos KM
6RQ9KE	Pos KM, HEM	Pos KM, HEM
6WFXVQ	Pos KM, HemaTrace	Pos KM, HemaTrace
6WJ7FW	Pos KM	Pos KM
76R3RG	Pos KM	Pos KM
77XUBH	Pos KM, HemaTrace	Pos KM, HemaTrace
78EHQB	Pos KM	Pos KM
7FQ6MX	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
7HVFZ2	Pos KM, HemaTrace	Pos KM, HemaTrace
7JQ7W9	Pos KM, HemaTrace	Pos KM, HemaTrace
7LH4QT	Pos LMG	Pos LMG
7QRX87	Pos KM	Pos KM
7Z9QC6	Pos LMG	Pos LMG
7ZDM2P	Pos KM	Pos KM
8263QR	Pos KM	Pos KM
87F33X	Pos PTMB	Pos PTMB
87U7G3	Pos RSID Blood	Pos RSID Blood
896283	Pos KM	Pos KM
8BF6CT	Pos KM	Pos KM
8D27YR	Pos KM	Pos KM
8HDY97	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
8J62TZ	Pos O-tol	Pos O-tol
8LBP76	Pos KM	Pos KM
8MBBCH	Pos KM	Pos KM
8N3GMG	Pos KM	Pos KM
8QZ268	Pos KM, LMG, HemaTrace	Pos KM, LMG, HemaTrace
8VXTR7	Pos KM	Pos KM
8ZM69Z	Pos KM, HT	Pos KM, HT
92KGZM	Pos KM	Pos KM
96EPUV	Pos O-tol	Pos O-tol
9AAJRW	Pos HT (HemaTrace), O-tol	Pos O-tol
9H87R9	Pos KM, HEM	Pos KM, HEM
9HMD6D	Pos KM	Pos KM
9HNADN	Pos KM, HemaTrace	Pos KM, HemaTrace
9JYAC4	Pos KM	Pos KM
9QJ8ZQ	Pos KM	Pos KM
9TBAZD	Pos KM	Pos KM
9UFUWZ	Pos KM	Pos KM
9VR7G3	Pos FOB	Pos FOB
9YGN7N	Pos KM	Pos KM
9ZLPFZ	Pos KM	Pos KM
ADVEHV	Pos KM	Pos KM
AGA7AN	Pos KM	Pos KM
AH7FCE	Pos Hemastix	Pos Hemastix
AMJC3A	Pos KM, Seratec	Pos KM, Seratec
ARN8MA	Pos KM, Seratec	Pos KM, Seratec
ATPXYJ	Pos LMG, RSID	Pos LMG, RSID
AVUN2R	Pos KM, HB	Pos KM, HB
BANH4K	Pos KM	Pos KM
BDMFD6	Pos LMG, HemaTrace	Pos LMG, HemaTrace
BED7FH	Pos KM, HemaTrace	Pos KM, Takayama
BFFRDJ	Pos Phenolphthalein	Pos Phenolphthalein
BJ79HW	Pos KM, HemaTrace	Pos HemaTrace
BN88Z2	Pos LMG	Pos LMG
BN8H7Z	Pos KM	Pos KM
BNP87C	Pos KM, ABA HemaTrace	Pos KM, ABA HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
BR4X38	Pos KM	Pos KM
BT4K9K	Pos KM	Pos KM
BTGA3X	Pos KM, HemaTrace	Pos KM, HemaTrace
BW4V6K	Pos KM	Pos KM
BWUBZN	Pos KM, HemaTrace	Pos KM, HemaTrace
BXCRB6	Pos KM, HemaTrace	Pos KM, HemaTrace
BXRNX7	Pos KM	Pos KM
BXWRRU	Pos KM	Pos KM
BYZ6QY	Pos RSID Blood	Pos RSID Blood
C4VMVL	Pos KM, HemDirect	Pos KM, HemDirect
C8AGE4	Pos KM	Pos KM
C9Q7TW	Pos LMG	Pos LMG
CAJKBZ	Pos KM, HemaTrace	Pos KM, HemaTrace
CFB4J6	Pos KM	Pos KM
CJPYY3	Pos KM, HemaTrace	Pos KM, HemaTrace
CXTN93	Pos KM, HemaTrace	Pos KM, HemaTrace
CXUELC	Pos KM, HemaTrace	Pos KM, HemaTrace
CZXG32	Pos KM, HemaTrace	Pos KM, HemaTrace
D27N8F	Pos Luminol, phenolphthalin, HemDirect	Pos Luminol, phenolphthalin
D64FQC	Pos KM, HemaTrace	Pos KM, HemaTrace
D8BP43	Pos KM, HemaTrace	Pos KM, HemaTrace
DDYNP6	Pos KM	Pos KM
DHTDUV	Pos KM	Pos KM
DNX68Y	Pos KM, HemaTrace	Pos KM, HemaTrace
DP787R	Pos KM, Hexagon OBTI	Pos KM, Hexagon OBTI
DQAK2Z	Pos KM, HemeTrace	Pos KM, HemeTrace
DQP4NJ	Pos PT	Pos PT
DVZ4UH	Pos KM, Takayama	Pos KM
DZ8RCQ	Pos O-tol	Pos O-tol
DZRD6F	Pos KM, HemaTrace	Pos KM, Takayama
E3UNKG	Pos KM	Pos KM
E4CQDB	Pos KM	Pos KM
E7DNVQ	Pos O-tol	Pos O-tol
E8B39B	Pos KM	Pos KM
EBQWBW	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
EH76KQ	Pos O-tol	Pos O-tol
EHK9YV	Pos HemaTrace	Pos HemaTrace
EPQ8NM	Pos KM	Pos KM
EX2QPX	Pos KM	Pos KM
F3L9FE	Pos KM, HemaTrace	Pos KM
F4KC84	Pos KM; HemaTrace	Pos KM; HemaTrace
F6EVFX	Pos LMG	Pos LMG
F7TDKN	Pos KM, RSID	Pos KM, RSID
FANVC2	Pos KM	Pos KM
FCHWKX	Pos KM and HemaTrace	Pos KM and HemaTrace
FDKEEZ	Pos KM	Pos KM
FDUGKU	Pos KM, HemaTrace	Pos KM, HemaTrace
FFF9LP	Pos KM	Pos KM
FFVNMJ	Pos KM	Pos KM
FHNHLA	Pos KM, HemaTrace	Pos KM, HemaTrace
FKRBF8	Pos Hemastix	Pos Hemastix
FKT9NH	Pos KM, HemDirect	Pos KM, HemDirect
FL9BPP	Pos KM	Pos KM
FLM3FK	Pos KM	Pos KM
FM26PE	Pos KM	Pos KM
FT8Z9E	Pos KM	Pos KM
FYMR67	Pos KM Test	Pos KM Test
G6TBWQ	Pos KM, TMB	Pos KM, TMB
G6TNMK	Pos KM	Pos KM
G7MHEM	Pos KM	Pos KM
GBKTKV	Pos KM	Pos KM
GGRCPF	Pos KM	Pos KM
GHVCGZ	Pos KM	Pos KM
GJWYMD	Pos KM	Pos KM
GKMDHG	Pos KM	Pos KM
GPEV4Z	Pos PEROXIDO DE HIDROGENO, HEXAGON OBTI	Pos PEROXIDO DE HIDROGENO, HEXAGON OBTI
GR6L9Y	Pos KM	Pos KM
GTXF4H	Pos KM, HemaTrace	Pos KM, HemaTrace
GXC4NE	Pos KM	Pos KM
GZXJNU	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
HK4UBP	Pos KM, HemaTrace	Pos KM, HemaTrace
HKJ2MX	Pos KM, HemaTrace	Pos KM, HemaTrace
HLDYND	Pos KM, HemaTrace	Pos KM, HemaTrace
HQRCRL	Pos KM	Pos KM
J4NKVY	Pos LMG, HemaTrace, ALS	Pos LMG, HemaTrace, ALS
J7XXRM	Pos LMG	Pos LMG
JDY82Z	Pos Hemastix	Pos Hemastix
JFNJXK	Pos LMG, HemaTrace	Pos LMG, HemaTrace
JG224C	Pos KM	Pos KM
JPTNQ2	Pos KM, HemaTrace	Pos KM, HemaTrace
JRGZML	Pos LMG	Pos LMG
JRY687	Pos KM	Pos KM
JVH74D	Pos KM, HemaTrace	Pos KM, HemaTrace
JWNQRD	Pos KM, HemaTrace	Pos KM, HemaTrace
JZCP2P	Pos KM, TMB	Pos KM, TMB
K3Y8TE	Pos KM	Pos KM
K4E8D4	Pos KM	Pos KM
K7YDA7	Pos LMG	Pos LMG
K8P98M	Pos KM	Pos KM
KB9GC2	Pos O-tol	Pos O-tol
KDFU3F	Pos KM	Pos KM
KDFYBW	Pos KM, HemDirect	Pos KM, HemDirect
KFK4VR	Pos KM	Pos KM
KGUHA7	Pos KM, HemaTrace	Pos KM, HemaTrace
KKEBMT	Pos O-tol, Seratec Blood card	Pos O-tol, Seratec Blood card
KKXZ28	Pos LMG	Pos LMG
KM3UCX	Pos KM, HemDirect	Pos KM, HemDirect
KPA3VQ	Pos KM	Pos KM
KRBRQR	Pos KM	Pos KM
KRC6GL	Pos LMG	Pos LMG
KU46R4	Pos Hemochromogen	Pos Hemochromogen
KVT2TV	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
LBHUAA	Pos KM, HemaTrace	Pos KM
LFZ3LF	Pos KM	Pos KM
LHZTUV	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
LL8R69	Pos KM	Pos KM
LLKEAG	Pos KM	Pos KM
LMZKX7	Pos TMB, HemaTrace	Pos TMB, HemaTrace
LU2LJ7	Pos KM, HemaTrace	Pos KM, HemaTrace
LUJNCZ	Pos KM	Pos KM
LVDED9	Pos pheno	Pos pheno
M37ZRL	Pos KM; HemaTrace	Pos KM; HemaTrace
MA82MT	Pos KM, HemaTrace	Pos KM, HemaTrace
MD7NNP	Pos KM, HemaTrace	Pos KM, HemaTrace
MEGTYR	Pos KM	Pos KM
MK4FWJ	Pos KM	Pos KM
MQ8JJW	Pos Hemastix	Pos Hemastix
MQURRE	Pos KM, HemaTrace	Pos KM, Takayama
MTWVGG	Pos LMG, HemaTrace	Pos LMG, HemaTrace
MWV7CG	Pos KM, HemaTrace	Pos KM, HemaTrace
MXB7UK	Pos KM, HemaTrace	Pos KM, HemaTrace
MXD6YE	Pos KM	Pos KM
MXU397	Pos KM	Pos KM
N7JH4M	Pos PTMB	Pos PTMB
N8GL4P	Pos KM, HemaTrace	Pos KM, HemaTrace
NBB2CP	Pos KM	Pos KM
NCBHQV	Pos KM, HemDirect	Pos KM, HemDirect
NCK7NT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
NDLHMP	Pos KM, HemaTrace	Pos KM, HemaTrace
NGJQ7E	Pos KM, HemaTrace	Pos KM, Takayama
NLVTWG	Pos O-tol, HemaTrace	Pos O-tol
NPXWLH	Pos KM	Pos KM
NR24TU	Pos LMG, HemaTrace	Pos LMG, HemaTrace
NR3FTQ	Pos KM, HemaTrace	Pos KM, HemaTrace
NU8VFW	Pos Hemastix	Pos Hemastix
NY4G8Y	Pos Hemastix	Pos Hemastix
NY6EFA	Pos KM, HemDirect	Pos KM, HemDirect
NYKLT4	Pos Luminol, KM	Pos KM
NZY98C	Pos KM	Pos KM
NZYDFT	Pos KM, HEM	Pos KM, HEM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
P4BF2P	Pos KM, HemaTrace	Pos KM, HemaTrace
P89BUJ	Pos KM, TMB	Pos KM, TMB
P8CLGV	Pos KM and HemaTrace	Pos KM and HemaTrace
PB6AVT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
PGKTLB	Pos KM, HemDirect	Pos KM, HemDirect
PHTBFZ	Pos KM, HemaTrace	Pos KM, HemaTrace
PM4XXQ	Pos KM, HemaTrace	Pos KM, HemaTrace
PVZZCG	Pos O-tol	Pos O-tol
PWTWXP	Pos O-tol, HemDirect	Pos O-tol, HemDirect
PZRBLE	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
Q39QUQ	Pos hydrogen peroxide	Pos hydrogen peroxide
Q4827F	Pos LMG	Pos LMG
Q7CU3Z	Pos KM, HemaTrace	Pos KM, HemaTrace
Q7XCAF	Pos KM	Pos KM
Q8QENH	Pos KM	Pos KM
Q9LQW6	Pos KM	Pos KM
QCEBHR	Pos LMG, HemaTrace	Pos LMG, HemaTrace
QDWH4Z	Pos LMG	Pos LMG
QJM9BD	Pos KM	Pos KM
QKQRPR	Pos LMG, HemaTrace	Pos LMG, HemaTrace
QPQD4X	Pos KM	Pos KM
QT49CF	Pos KM, HemaTrace	Pos KM, HemaTrace
QTCW92	Pos KM	Pos KM
QTQL88	Pos KM	Pos KM
QTR6AP	Pos LMG	Pos LMG
R2EQNL	Pos KM	Pos KM
R2VZKT	Pos KM, HemaTrace	Pos KM, HemaTrace
R7RN2Z	Pos KM	Pos KM
R9XY8C	Pos KM	Pos KM
RB3LKG	Pos KM, HT	Pos KM, HT
RBFQ4R	Pos LMG	Pos LMG
REKUY8	Pos LMG, HemaTrace	Pos LMG, HemaTrace
REQ4XZ	Pos KM	Pos KM
RHLRJ9	Pos KM, HemaTrace	Pos KM, HemaTrace
RLZM3Q	Pos Hemophan, FOB-BioLine	Pos Hemophan, FOB-BioLine

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
RP7ZUQ	Pos TMB (Hemastix) & HemaTrace	Pos TMB (Hemastix) & HemaTrace
RPYXZC	Pos O-tol	Pos O-tol
RQULE2	Pos KM, HemaTrace	Pos KM
RR8QVQ	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
RRCDP7	Pos KM, HD	Pos KM, HD
RXG3FR	Pos TMB	Pos TMB
RXVNPT	Pos KM, HemaTrace	Pos KM, HemaTrace
RYB43U	Pos KM	Pos KM
RYUM92	Pos LMG	Pos LMG
T2UA7X	Pos KM, HemaTrace	Pos KM, HemaTrace
T4F98Y	Pos KM	Pos KM
T6BRAZ	Pos KM	Pos KM
T6DAHX	Pos KM	Pos KM
T6TK4J	Pos KM	Pos KM
TJ8M7K	Pos KM	Pos KM
TUCWAK	Pos LMG	Pos LMG
TXVXAX	Pos KM, HemaTrace	Pos KM, HemaTrace
U2MJGQ	Pos KM, HemaTrace	Pos KM, HemaTrace
U3J4CQ	Pos KM	Pos KM
U4CVDB	Pos LMG	Pos LMG
U4ETEY	Pos KM	Pos KM
U8DUQP	Pos RSID	Pos RSID
UC7XH9	Pos KM	Pos KM
UDQJJY	Pos LMG	Pos LMG
UY2C2G	Pos LMG	Pos LMG
UYHNFF	Pos TMB, Takayama	Pos TMB, Takayama
V8MH6L	Pos HemaTrace	Pos HemaTrace
VBVY3	Pos KM, HemaTrace	Pos KM, HemaTrace
VC4W2T	Pos TMB	Pos TMB
VCKEWE	Pos HemaTrace	Pos HemaTrace
VEDJZ8	Pos KM	Pos KM
VEP6YM	Pos LMG, HemaTrace	Pos LMG, HemaTrace
VGJ9WN	Pos KM, HEM	Pos KM, HEM
VKHFLR	Pos KM	Pos KM
VQAPT6	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
VQPW9U	Pos KM, Hem	Pos KM, Hem
VX36CG	Pos KM, HemaTrace	Pos KM, HemaTrace
VYFNAT	Pos KM, HemaTrace	Pos KM, HemaTrace
W2JPYW	Pos HemaTrace, TMB	Pos HemaTrace, TMB
W3QT4L	Pos LMG	Pos LMG
W7WM96	Pos KM	Pos KM, HemDirect
W9287D	Pos KM, HemaTrace	Pos KM, HemaTrace
WC2H2D	Pos KM	Pos KM
WC37PH	Pos KM, HemaTrace	Pos KM, HemaTrace
WF8RKV	Pos LMG	Pos LMG
WJ8ZRQ	Pos KM	Pos KM
WMWNVB	Pos KM	Pos KM
WNXB2P	Pos KM	Pos KM
WTM2TT	Pos KM, HemaTrace	Pos KM, HemaTrace
WYCGJK	Pos O-tol	Pos O-tol
X37W9K	Pos KM	Pos KM
X83GJV	Pos KM	Pos KM
X83XFL	Pos LMG, HemaTrace	Pos LMG, HemaTrace
XJGCZF	Pos KM, HemaTrace	Pos KM, HemaTrace
XKT97K	Pos TMB (Hemastix), HemaTrace	Pos TMB (Hemastix), HemaTrace
XLKCQE	Pos KM	Pos KM
XMD8DM	Pos KM	Pos KM
XMJ8L4	Pos KM	Pos KM
XVBWWD	Pos KM	Pos KM
XXXEAR	Pos KM, HemaTrace	Pos KM, HemaTrace
XZ34CZ	Pos KM, HemaTrace	Pos KM, HemaTrace
Y42LJT	Pos KM	Pos KM
Y9Y6LR	Pos KM	Pos KM
YA7MH2	Pos KM	Pos KM
YCP6DK	Pos LMG	Pos LMG
YLLCG8	Pos KM	Pos KM
YNMCNQ	Pos KM, HemaTrace	Pos KM, HemaTrace
YRHZPB	Pos Hemochromogen	Pos Hemochromogen
YX8FEH	Pos KM	Pos KM
Z3P7PR	Pos LMG	Pos LMG

TABLE 1a

Blood Screening Results		
WebCode	Item 3	Item 4
Z4TXM8	Pos HemaTrace	Pos HemaTrace
Z97TCG	Pos KM	Pos KM
Z9DQVT	Pos LMG	Pos LMG
ZF8C8K	Pos KM	Pos KM
ZK48K9	Pos KM, TMB	Pos KM, TMB
ZPZCDX	Pos O-tol, ppth, hemdirect	Pos O-tol, ppth, hemdirect
ZRMVEV	Pos KM	Pos KM
ZUTDDR	Pos KM, HemDirect, Luminol	Pos KM, Luminol

Table 1a: Serology Screening Response Summary - Blood			Participants: 356
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	356	356	
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
22PKJD	Neg AP, PSA, Micro	Pos AP, PSA, Micro
27WBLJ	Neg FB, PSA, Microscopy	Pos FB, Microscopy
2ADALD	Neg RSID Semen, PSA	Pos RSID Semen, PSA
2DUXF6	Neg ALS, Micro, p30	Pos ALS, Micro
2ERAW7	Neg AP	Pos AP, p30, Micro
2F8AFV	Neg AP	Pos AP, PSA, Micro
2FR2GT	Neg AP	Pos AP, Micro
2KZHVM	Neg AP, ALS	Pos ALS, AP, RSID-Semen, Micro
2TR6HD	Neg AP	Pos AP, Micro, PSA
2UKZZF	Neg AP	Pos AP, Micro
2VXEL4	Neg Seratec PSA Semiquant	Pos Seratec PSA Semiquant
2VZUPB	Neg AP	Pos AP, PSA
2ZBBAD	Neg AP	Pos AP, Micro, PSA
33ZRCY	Neg Micro, PSA	Pos Micro, PSA
37CQER	Neg AP, PSA	Pos AP, PSA, Micro
38NNLG	Neg ALS, AP, Micro	Pos ALS, AP, Micro
38PKUR	Neg ALS, AP, Micro, PSA	Pos ALS, AP and Micro
39JAF9	Neg AP, Micro	Pos AP, Micro
39PATV	Neg AP, p30, Micro, ALS	Pos AP, p30, Micro, ALS
3AGDDP	Neg BCIP	Pos BCIP, p30, Micro
3APRCJ	Neg AP	Pos AP, Micro
3CHKB9	Neg AP, Micro	Pos AP, Micro
3DU9WT	Neg BCIP	Pos BCIP, p30, Micro
3EU92Z	Neg AP	Pos AP, PSA, Micro
3GVJPM	Neg AP, Micro, RSID	Pos AP, Micro
3PBCAE	Neg Micro, PSA	Pos Micro, PSA
3RCA76	Neg Micro, PSA	Pos Micro
3RVTCC	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
3TMRPB	Neg AP, Micro	Pos AP, Micro
3UYNVE	Neg ALS, AP	Pos ALS, AP, Micro, PSA
4B4H3E	Neg AP, Microscopy	Pos AP, Microscopy
4CUJ4W	Neg AP, p30	Pos AP, p30, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
4FHYNQ	Neg ALS, AP	Pos ALS, AP, Micro
4QW8XB	Neg AP, Micro	Pos AP, Micro
4RAVHB	Neg AP	Pos AP, Micro, PSA
4UXZJV	Neg AP	Pos AP, Micro
4VUHKW	Neg ALS, AP, Micro	Pos ALS, AP, Micro
4YA2DD	Neg AP, Micro	Pos AP, Micro
4YMT2N	Neg AP, Seratec	Pos AP, Seratec, Micro
642TWU	Neg AP	Pos AP, PSA, Micro
6BK6ZM	Neg AP, Micro, PSA	Pos AP, Micro, PSA
6DNPXV	Neg PSA	Pos PSA, Micro
6HYTWB	Neg AP	Pos AP, Micro, PSA
6JUDJA	Neg AP	Pos AP, Micro, PSA
6N96WG	Neg AP	Pos AP, Micro
6NPFW6	Neg AP	Pos AP, Micro
6RQ9KE	Neg AP, Micro, RSID	Pos AP, Micro
6WFXVQ	Neg AP	Pos AP, PSA, Micro
6WJ7FW	Neg Micro, PSA	Pos Micro, PSA
77XUBH	Neg AP, Seratec	Pos AP, Seratec, Micro
78EHQB	Neg AP, Micro	Pos AP, Micro
7FQ6MX	Neg AP, PSA	Pos AP, PSA
7HVFZ2	Neg p30	Pos p30, Micro
7LH4QT	Neg AP	Pos AP, Micro
7NKKQ4	Neg p30, Micro	Pos p30, Micro
7QRX87	Neg AP	Pos AP, Micro
7Z9QC6	Neg AP, PSA, Micro	Pos AP, PSA, Micro
7ZDM2P	Neg ALS, AP	Pos ALS, AP, PSA, Micro
8263QR	Neg AP	Pos AP, Micro
87F33X	Neg AP	Pos AP, Micro
87U7G3	Neg RSID Semen	Pos RSID Semen
896283	Neg AP	Pos AP, Micro
8BF6CT	Neg AP	Pos AP, PSA, Micro
8D27YR	Neg AP/ Micro	Pos AP/ Micro
8HDY97	Neg AP, PSA, Micro	Pos AP, PSA, Micro
8J62TZ	Neg AP, Micro, ALS	Pos AP, Micro, ALS

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
8LBP76	Neg AP, Micro	Pos AP, Micro
8MBBCH	Neg ALS, FBB, PSA	Pos ALS, FBB, PSA
8QZ268	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
8VXTR7	Neg AP	Pos AP, Micro
8ZM69Z	Neg AP	Pos AP, Micro
92KGZM	Neg ALS, AP	Pos ALS, AP, Micro
96EPUV	Neg ALS	Pos ALS, AP, Micro
9AAJRW	Neg AP	Pos AP
9H87R9	Neg AP, Micro, RSID	Pos AP, Micro
9HMD6D	Neg AP	Pos AP, Micro
9HNADN	Neg AP	Pos AP, PSA, Microscopic
9JYAC4	Neg AP, Micro	Pos AP, Micro
9QJ8ZQ	Neg AP	Pos AP, Micro
9TBAZD	Neg ALS, AP	Pos ALS, AP, Micro
9UFUWZ	Neg AP, Micro	Pos AP, Micro
9VR7G3		Pos PSA
9YGN7N	Neg AP, Micro	Pos AP, Micro
9ZLPFZ	Neg AP, Micro	Pos AP, Micro
ADVEHV	Neg Micro, PSA	Pos Micro, PSA
AGA7AN	Neg AP, Micro, p30	Pos AP, Micro, p30
AH7FCE	Neg AP	Pos AP
AMJC3A	Neg AP, Micro, RSID	Pos AP, Micro
ARN8MA	Neg AP, Micro, RSID	Pos AP, Micro
ATPXYJ	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
AVUN2R	Neg AP	Pos AP, Micro, PSA
BANH4K	Neg AP, ALS, Micro	Pos AP, ALS, Micro
BDMFD6	Neg AP, Micro, PSA	Pos AP, Micro, PSA
BED7FH	Neg AP	Pos AP, Micro, PSA
BFFRDJ	Neg BCIP	Pos BCIP, p30, Micro
BJ79HW	Neg AP	Pos AP, Micro
BN88Z2	Neg AP	Pos AP, Micro, PSA
BN8H7Z	Neg AP	Pos AP, Microscopic slide exam
BNP87C	Neg AP	Pos AP, PSA
BR4X38	Neg AP, Micro, PSA	Pos AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
BT4K9K	Neg AP	Pos AP, Micro
BTGA3X	Neg AP	Pos AP, Micro
BW4V6K	Neg AP, ALS, Micro	Pos ALS, AP, Micro
BWUBZN	Neg AP, p30	Pos AP, p30, Micro
BXCRB6	Neg PSA, Micro	Pos PSA, Micro
BXRNX7	Neg AP	Pos AP & Micro
BYZ6QY	Neg RSID Semen	Pos RSID Semen
C4VMVL	Neg AP, Micro	Pos AP, Micro, PSA
C8AGE4	Neg AP, Micro	Pos AP, Micro
C9Q7TW	Neg AP	Pos AP & Slide/Micro
CAJKBZ	Neg AP, PSA, Micro	Pos AP, PSA, Micro
CFB4J6	Neg ALS, AP	Pos ALS, AP, PSA, Micro
CJPYY3	Neg PSA, Micro	Pos PSA, Micro
CXTN93	Neg AP, Micro, PSA	Pos AP, Micro, PSA
CXUELC	Neg AP, ALS	Pos ALS, AP, RSID-Semen, Micro
D27N8F	Neg ALS, STMP, Microscopic	Pos ALS, STMP, Microscopic
D64FQC	Neg AP	Pos AP, PSA, Micro
D8BP43	Neg AP, PSA, Micro	Pos AP, PSA, Micro
DDYNP6	Neg ALS, AP	Pos ALS, AP, PSA, Micro
DHTDUV	Neg AP, Micro	Pos AP, Micro
DNX68Y	Neg AP, PSA, Micro	Pos AP, PSA, Micro
DP787R	Neg AP	Pos AP, PSA, Micro
DQAK2Z	Neg AP, PSA, Micro	Pos AP, PSA, Micro
DQP4NJ	Neg BCIP	Pos BCIP, p30, Micro
DVZ4UH	Neg AP	Pos AP, Micro, PSA
DZ8RCQ	Neg AP	Pos AP
DZRD6F	Neg AP	Pos AP, Micro, p30
E4CQDB	Neg ALS, FBB	Pos ALS, FBB, PSA
E7DNVQ	Neg AP	Pos AP, Micro
E8B39B	Neg ALS, FBB	Pos ALS, FBB, PSA
EBQWBW	Neg AP	Pos AP, Micro
EH76KQ	Neg AP	Pos AP
EHK9YV	Neg Fast blue B, RSID Semen, p30, Sperm Hyliter	Pos Fast blue B, RSID Semen, p30, Sperm Hyliter
EPQ8NM	Neg PSA	Pos PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
EX2QPX	Neg AP, Micro	Pos AP, Micro
F3L9FE	Neg AP	Pos AP, Micro, PSA
F4KC84	Neg ALS; AP; Micro	Pos ALS; AP; Micro
F6EVFX	Neg AP	Pos AP, Micro, PSA
F7TDKN	Neg Micro, PSA	Pos Micro, PSA
FANVC2	Neg AP	Pos AP, Micro
FDKEEZ	Neg AP	Pos AP, Micro
FDUGKU	Neg ALS, AP, p30, Micro	Pos ALS, AP, p30, Micro
FFF9LP	Neg Micro PSA	Pos Micro PSA
FFVNMJ	Neg AP	Pos AP, Micro
FHNHLA	Neg AP, Seratec	Pos AP, Seratec, Micro
FKRBF8	Neg AP	Pos AP
FKT9NH	Neg AP, Micro	Pos AP, Micro
FL9BPP	Neg AP, Micro, PSA	Pos AP, Micro
FLM3FK	Neg Micro, p30	Pos Micro, p30
FM26PE	Neg ALS, AP	Pos ALS, AP, Micro
FT8Z9E	Neg ALS, AP	Pos ALS, AP, Micro
FYMR67	Neg AP Test	Pos AP Test, Micro
G6TBWQ	Neg AP	Pos AP
G6TNMK	Neg PSA	Pos PSA, Micro
GBKTKV	Neg AP, Micro	Pos AP, Micro
GGRCPF	Neg ALS, AP, Micro	Pos ALS, AP, Micro
GHVCGZ	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
GJWYMD	Neg ALS, AP	Pos ALS, AP, Micro
GKMDHG	Neg AP, p30, Micro	Pos AP, p30, Micro
GPEV4Z	Neg PSA, Micro	Pos PSA, Micro
GR6L9Y	Neg AP, Micro	Pos AP, Micro
GTXF4H	Neg p30, Micro	Pos p30, Micro
GV3PQT	Neg p30, ALS, Micro	Pos p30, ALS, Micro
GZXJNU	Neg AP, PSA, Micro	Pos AP, PSA, Micro
HK4UBP	Neg AP	Pos AP, Micro
HKJ2MX	Neg AP, PSA, Micro	Pos AP, PSA, Micro
HLDYND	Neg AP	Pos AP, PSA, Micro
HQRCRL	Neg ALS, PSA, Micro	Pos ALS, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
J4NKVY	Neg AP, PSA, Micro, ALS	Pos AP, PSA, Micro, ALS
J7XXRM	Neg AP	Pos AP, PSA
JDY82Z	Neg AP	Pos AP, RSID
JFNJXK	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
JPTNQ2	Neg ALS, AP, Micro	Pos ALS, AP, Micro
JRGZML	Neg p30	Pos p30, Micro
JVH74D	Neg AP	Pos AP, PSA, Micro
JWNQRD	Neg AP	Pos AP, Micro, PSA
JZCP2P	Neg AP, PSA, Micro	Pos AP, PSA, Micro
K3Y8TE	Neg AP, Micro, ALS	Pos AP, Micro, ALS
K4E8D4	Neg AP	Pos AP, PSA
K7YDA7	Neg ALS, AP	Pos ALS, AP, Micro
K8P98M	Neg ALS, Micro, PSA	Pos ALS, Micro
KB9GC2	Neg AP	Pos AP, Micro
KDFU3F	Neg AP, Micro	Pos AP, Micro
KDFYBW	Neg AP, RSID, Micro	Pos AP, Micro
KFK4VR	Neg AP	Pos AP, Micro
KGUHA7	Neg AP, Seratec	Pos AP, Seratec, Micro
KKEBMT	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
KKXZ28	Neg AP	Pos AP, Micro
KM3UCX	Neg AP, Micro, RSID Semenogelin	Pos AP, Micro
KPA3VQ	Neg AP	Pos AP
KRBRQR	Neg AP	Pos AP & Microscopic slide
KRC3RG	Neg PSA	Pos PSA
KRC6GL	Neg AP	Pos AP, PSA
KU46R4	Neg AP	Pos AP, Micro
KVT2TV	Neg AP	Pos AP, Micro
LBHUAA	Neg AP	Pos AP, Micro, PSA
LFZ3LF	Neg AP	Pos AP, PSA, Micro
LHZTUV	Neg AP	Pos AP, Micro
LL8R69	Neg AP	Pos AP, Micro
LLKEAG	Neg AP, PSA, Micro	Pos AP, PSA, Micro
LU2LJ7	Neg AP	Pos AP, PSA, mirco
LUJNCZ	Neg ALS, AP	Pos ALS, AP, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
LVDED9	Neg BCIP	Pos BCIP, p30, Micro
M37ZRL	Neg p30	Pos p30; Micro
MA82MT	Neg PSA	Pos PSA
MD7NNP	Neg AP	Pos AP, Micro
MEGTYR	Neg PSA	Pos PSA
MK4FWJ	Neg ALS, Micro, PSA	Pos ALS, Micro
MQ8JJW	Neg AP	Pos AP
MQURRE	Neg AP	Pos AP, Micro, PSA
MTWVGG	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
MWV7CG	Neg AP, Micro, PSA	Pos AP, Micro
MXB7UK	Neg AP, PSA, Micro	Pos AP, PSA, Micro
MXD6YE	Neg Micro, PSA	Pos Micro, PSA
MXU397	Neg BCIP	Pos BCIP, p30, Micro
N7JH4M	Neg AP	Pos AP, Micro
NBB2CP	Neg ALS, AP	Pos ALS, AP, PSA, Micro
NCBHQV	Neg AP, Micro, RSID	Pos AP, Micro
NCK7NT	Neg AP, PSA, Micro	Pos AP, PSA, Micro
NGJQ7E	Neg AP	Pos AP, Micro, PSA
NLVTWG	Neg AP	Pos AP, PSA
NPXWLH	Neg ALS, Micro, PSA	Pos ALS, Micro
NR24TU	Neg AP, Micro, PSA	Pos AP, Micro, PSA
NR3FTQ	Neg AP, PSA, Micro	Pos AP, PSA, Micro
NU8VFW	Neg AP	Pos AP
NY4G8Y	Neg AP	Pos AP
NY6EFA	Neg ALS, AP, Micro	Pos ALS, AP, Micro
NYKLT4	Neg ALS, AP	Pos ALS, AP, Micro
NZY98C	Neg AP, PSA, Micro	Pos AP, PSA, Micro
NZYDFT	Neg AP, Micro, RSID	Pos AP, Micro
P4BF2P	NT	Neg
P89BUJ	Neg AP	Pos AP
PB6AVT	Neg AP, PSA, Micro	Pos AP, PSA, Micro
PGKTLB	Neg ALS, AP, Micro	Pos ALS, AP, Micro
PHTBFZ	Neg AP, Micro, RSID	Pos AP, Micro
PM4XXQ	Neg Micro, PSA	Pos Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
PVZZCG	Neg AP	Pos AP
PWTWXP	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
PZRBLE	Neg AP, PSA	Pos AP, PSA
Q39QUQ	Neg RSID-Micro	Pos RSID-Micro
Q4827F	Neg AP	Pos AP, PSA
Q7CU3Z	Neg AP	Pos AP, Micro, PSA
Q7XCAF	Neg AP, p30, Sperm	Pos AP, Sperm
Q8QENH	Neg AP, Micro	Pos AP, Micro
Q9LQW6	Neg AP	Pos AP, PSA, Micro
QCEBHR	Neg AP, p30, Micro	Pos AP, p30, Micro
QDWY4Z	Neg AP, Micro, PSA, ALS	Pos AP, Micro, PSA, ALS
QJM9BD	Neg AP, Micro, PSA	Pos AP, Micro
QKQRPR	Neg AP, PSA, Micro	Pos AP, PSA, Micro
QPQD4X	Neg AP	Pos AP, Micro
QT49CF	Neg PSA, Micro	Pos PSA, Micro
QTCW92	Neg AP	Pos AP, Micro
QTQL88	Neg AP, PSA, Micro	Pos AP, PSA, Micro
QTR6AP	Neg AP	Pos AP, Micro, PSA
R2EQNL	Neg AP, Micro	Pos AP, Micro
R7RN2Z	Neg ALS, AP, Micro	Pos ALS, AP, Micro
R9XY8C	Neg Micro, PSA	Pos Micro, PSA
RB3LKG	Neg AP	Pos AP, PSA, Micro
RBFQ4R	Neg Micro, PSA	Pos Micro, PSA
REKUY8	Neg AP, Micro	Pos AP, Micro, PSA
REQ4XZ	Neg AP	Pos AP, Micro
RHLRJ9	Neg AP	Pos AP, Micro
RLZM3Q	Neg Phosphatesmo, PSA	Pos Phosphatesmo, PSA
RP7ZUQ	Neg AP & ALS	Pos AP, ALS, PSA, & Micro
RPYXZC	Neg AP, PSA	Pos AP, PSA
RQULE2	Neg AP	Pos AP, Micro, PSA
RR8QVQ	Neg AP	Pos AP, PSA, Micro
RRCDP7	Neg ALS, AP, Micro	Pos ALS, AP, Micro
RXG3FR	Neg ALS, AP	Pos ALS, AP, PSA, Micro
RYB43U	Neg ALS, AP	Pos ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
RYUM92	Neg AP, ALS	Pos AP, PSA, Micro, ALS
T2UA7X	Neg AP	Pos AP, PSA, Micro
T4F98Y	Neg ALS, AP, Micro	Pos ALS, AP, Micro
T6BRAZ	Neg AP	Pos AP, PSA, Micro
T6DAHX	Neg AP	Pos AP, Micro
T6TK4J	Neg AP, Micro	Pos AP, Micro
TJ8M7K	Neg AP, Micro, ALS, PSA	Pos AP, Micro, ALS, PSA
TUCWAK	Neg AP	Pos AP, Micro, PSA
TXVXAX	Neg AP	Pos AP, Micro, PSA
U2MJGQ	Neg ALS, AP, Micro	Pos ALS, AP, Micro
U3J4CQ	Neg ALS, AP	Pos ALS, AP, Micro
U4CVDB	Neg AP	Pos AP, PSA
U4ETEY	Neg ALS, AP	Pos ALS, AP, PSA, Micro
U8DUQP	Neg RSID	Pos RSID
UC7XH9	Neg AP, Micro, p30	Pos AP, Micro, p30
UDQJJY	Neg AP	Pos AP, PSA
UY2C2G	Neg AP, PSA, Micro	Pos AP, PSA, Micro
UYHNFF	NT	Pos AP, Micro
V8MH6L	NT	Pos ALS, AP, PSA, Micro
VBVY3	Neg AP	Pos AP, PSA, Micro
VC4W2T	Neg AP	Pos AP, Microscopy
VCKEWE	Neg ABA Card	Pos ABA Card
VEDJZ8	Neg Micro, PSA	Pos Micro, PSA
VEP6YM	Neg AP, PSA, Micro	Pos AP, PSA, Micro
VGJ9WN	Neg AP, Micro, RSID	Pos AP, Micro
VKHFLR	Neg ALS, AP	Pos ALS, AP, Micro
VQAPT6	Neg AP, Micro	Pos AP, Micro
VQPW9U	Neg AP, Micro, RSID	Pos AP, Micro
VX36CG	Neg AP, PSA, Micro	Pos AP, PSA, Micro
VYFNAT	Neg AP, Seratec	Pos AP, Seratec, Micro
W2JPYW	Neg AP	Pos AP
W3QT4L	Neg AP, PSA, Micro	Pos AP, PSA, Micro
W7WM96	Neg AP	Pos AP, Micro, PSA
W9287D	Neg AP, PSA, Micro, ALS	Pos AP, PSA, Micro, ALS

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
WC2H2D	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
WC37PH	Neg AP, PSA, Micro	Pos AP, PSA, Micro
WF8RKV	Neg ALS, AP	Pos ALS, AP, Micro
WJ8ZRQ	Neg ALS; AP	Pos ALS; AP; Micro
WMWNVB	Neg AP	Pos AP
WNXB2P	Neg ALS, AP, PSA	Pos ALS, AP, Micro
WTM2TT	Neg AP	Pos AP, PSA, Micro
WYCGJK	Neg AP	Pos AP, Micro
X37W9K	Neg AP, PSA, Micro	Pos AP, PSA, Micro
X83GJV	Neg BCIP	Pos BCIP, p30, Micro
X83XFL	Neg AP, Micro, PSA	Pos AP, Micro, PSA
XJGCZF	Neg AP, PSA, Micro	Pos AP, PSA, Micro
XKT97K	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
XLKCQE	Neg AP, Micro	Pos AP, Micro
XMD8DM	Neg AP	Pos AP, Micro
XMJ8L4	Neg AP	Pos AP, Micro
XVBWWD	Neg AP, Micro	Pos AP, Micro
XXXEAR	Neg AP, Seratec	Pos AP, Seratec, Micro
XZ34CZ	Neg PSA	Pos PSA, Micro
Y42LJT	Neg AP	Pos AP, Micro
Y9Y6LR	Neg AP	Pos AP, Micro
YA7MH2	Neg Micro, PSA	Pos Micro, PSA
YBXZ79	Neg AP	Pos AP
YCP6DK	Neg AP, Micro, PSA	Pos AP, Micro, PSA
YLLCG8	Neg Micro, PSA, AP	Pos AP, Micro
YNMCNQ	Neg AP, Seratec	Pos AP, Seratec, Micro
YRHZPB	Neg AP	Pos AP, Micro
YX8FEH	Neg AP	Pos AP, Micro
Z3P7PR	Neg AP	Pos AP, Micro
Z4TXM8	Neg AP, Micro	Pos AP, Micro
Z97TCG	Neg AP	Pos AP, Micro, PSA
Z9DQVT	Neg ALS, AP	Pos ALS, AP, Micro
ZF8C8K	Neg AP	Pos AP, Micro
ZK48K9	Neg AP, PSA, Micro	Pos AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
ZPZCDX	Neg AP, Micro	Pos AP, Micro
ZRMVEV	Neg BCIP	Pos BCIP, Micro, p30
ZUTDDR	Neg AP, ALS	Pos AP, Micro, ALS

Table 1b: Serology Screening Response Summary - Semen			Participants: 341
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	340	
Negative	337	1	
Inconclusive	0	0	
Not Tested (NT)	3	0	
Not Reported	1	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
22PKJD	Neg Phadebas	Neg Phadebas
27WBLJ	Neg Phadebas	Neg Phadebas
2ADALD	Neg RSID Saliva	Neg RSID Saliva
2ERAW7	Neg RSID Saliva	Neg RSID Saliva
2VXEL4	Neg Phadebas	Neg Phadebas
37CQER	Neg RSID	Neg RSID
38PKUR	Neg ALS, RSID (Saliva)	Neg ALS, RSID (Saliva)
3PBCAE	Neg RSID	Neg RSID
3RVTCC	Neg ALS, Seratec Amy	Neg ALS, Seratec Amy
3UYNVE	NT	Neg Amylase Card
4CUJ4W	Neg RSID	Neg RSID
4VUHKW	Neg RSID	Neg RSID
6DNPXV	Neg RSID	Neg RSID
6NPFW6	Neg Phadebas	Neg Phadebas
78EHQB	Neg Phadebas	Neg Phadebas
7HVFZ2	Neg RSID	Neg RSID
87U7G3	Neg RSID Saliva	Neg RSID Saliva
896283	Neg Amylase Paper	Neg Amylase Paper
8D27YR	Neg RSID	Neg RSID
8HDY97	Neg Phadebas	Neg Phadebas
8QZ268	Neg SALLgAE	Neg SALLgAE
8ZM69Z	Neg RSID	Neg RSID
9YGN7N	Neg RSID	Neg RSID
AGA7AN	Neg Amylase Diffusion plate	Neg Amylase Diffusion plate
BANH4K	Neg ALS, Phadebas	Neg ALS, Phadebas
BED7FH	Neg Phadebas	Neg RSID
BJ79HW	Neg RSID	NT
BN8H7Z	Neg Amylase paper	Neg Amylase paper
BNP87C	Neg Phadebas	Neg Phadebas
BR4X38	Neg Phadebas	Neg Phadebas
BTGA3X	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
BWUBZN	Neg RSID	Neg RSID
BXCRB6	Neg RSID	Neg RSID
BYZ6QY	Neg RSID Saliva	Neg RSID Saliva
C4VMVL	Neg RSID Saliva	Neg RSID Saliva
C9Q7TW	Neg Amylase/Phadebas	Neg Amylase/Phadebas
CAJKBZ	Neg Phadebas	Neg Phadebase
CJPYY3	Neg RSID	Neg RSID
CXTN93	Neg Phadebas	Neg Phadebas
D27N8F	Neg Amylase Diffusion	Neg Amylase Diffusion
D8BP43	Neg Phadebas	Neg Phadebas
DNX68Y	Neg Phadebas	Neg Phadebas
DQAK2Z	Neg Phadebas	Neg Phadebas
DZRD6F	Neg RSID-Saliva	Neg RSID-Saliva
EBQWBW	Neg Amylase screen	Neg Amylase screen
EHK9YV	Neg RSID Saliva	Neg RSID Saliva
FKT9NH	Neg RSID-Saliva	Neg RSID-Saliva
FL9BPP	Neg Phadebas	NT
G6TNMK	Neg RSID	NT
GGRCPF	Neg ALS, Amylase	Neg ALS, Amylase
GKMDHG	Neg RSID	Neg RSID
GTXF4H	Neg RSID	Neg RSID
GZXJNU	Neg Seratec Amylase, Micro	Neg Seratec Amylase, Micro
HK4UBP	Neg RSID	NT
HKJ2MX	Neg Phadebas	Neg Phadebas
HQRCRL	Neg RSID	Neg RSID
J7XXRM	Neg RSID	Neg RSID
K3Y8TE	Neg RSID	Neg RSID
K4E8D4	Neg Phadebas	Neg Phadebas
KB9GC2	NT	Neg Phadebas
KDFU3F	Neg RSID	Neg RSID
KKEBMT	Neg ALS, Seratec Amylase card	Neg ALS, Seratec Amylase card
KRBRQR	Neg Amylase paper	Neg Amylase paper
KRC3RG	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
KRC6GL	Neg RSID Saliva	Neg RSID Saliva
LBHUAA	NT	Neg RSID
LLKEAG	Neg RSID	Neg RSID
LU2LJ7	Neg Phadebas	Neg Phadebas
M37ZRL	NT	Neg RSID
MA82MT	Neg RSID	Neg RSID
MQURRE	Neg RSID	Neg RSID
MWV7CG	Neg Phadebas	Neg Phadebas
MXB7UK	Neg RSID	NT
NGJQ7E	Neg Phadebas, RSID Saliva	Neg RSID Saliva
NR24TU	Neg Amylase	Neg Amylase
NR3FTQ	Neg Phadebas	Neg Phadebas
NY6EFA	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
NZY98C	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
P4BF2P	NT	Neg
PM4XXQ	Neg RSID	Neg RSID
PWTWXP	Neg Amylase	Neg Amylase
Q4827F	Neg RSID Saliva	Neg RSID Saliva
Q7XCAF	Neg Phadebas	NT
QJM9BD	Neg Amylase	
QPQD4X	Neg Phadebas	Neg Phadebas
QT49CF	Neg RSID	Neg RSID
R7RN2Z	Neg Phadebas	Neg Phadebas
R9XY8C	Neg RSID	NT
RB3LKG	Neg RSID	Neg RSID
RHLRJ9	Neg RSID	Neg RSID
RQULE2	NT	Neg RSID-Saliva
RRCDP7	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
T4F98Y	Neg Phadebas	Neg Phadebas
T6DAHX	Neg Phadebas	Neg Phadebas
U4CVDB	Neg RSID	Neg RSID
U4ETEY	Neg Phadebas	Neg Phadebas
UC7XH9	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
VQAPT6	Neg RSID	Neg RSID
VX36CG	Neg Phadebas	Neg Phadebas
W9287D	Neg Micro, ALS, Amylase	Neg Micro, ALS, Amylase
WC2H2D	Neg Micro, Amylase	Neg Micro, Amylase
WC37PH	Neg Phadebus	Neg Phadebus
WYCGJK	NT	Neg Micro
X37W9K	Neg Phadebas	Neg Phadebas
XJGCZF	Neg Phadebas	Neg Phadebas
XZ34CZ	Neg RSID	Neg RSID
Y9Y6LR	Neg Phadebas	Neg Phadebas
YLLCG8	Neg Amylase	NT
Z4TXM8	Neg RSID	Neg RSID

Table 1c: Serology Screening Response Summary - Saliva			Participants: 109
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	102	100	
Inconclusive	0	0	
Not Tested (NT)	7	8	
Not Reported	0	1	

Serology Screening Results

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

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
22PKJD	Pos Hexagon OBTI	Pos Hexagon OBTI
2FR2GT	Pos Quant	Pos Quant
2VXEL4	Pos Bluestar OBTI, Qiagen Investigator™ Quantiplex	Pos Bluestar OBTI, Qiagen Investigator™ Quantiplex
38PKUR	Pos PowerQuant, HemaTrace	Pos PowerQuant, RSID (Saliva)
3GVJPM	Pos Pos	Pos Pos
3UYNVE	Pos Quant Trio	Pos Quant Trio
6NPFW6	Pos Quantiplex Pro	Pos Quantiplex Pro
6RQ9KE	Pos	Pos
7FQ6MX	Pos HemaTrace	Pos HemaTrace
87U7G3	Pos	Pos
8QZ268	Pos HemaTrace	Pos HemaTrace
9AAJRW	Pos HT (HemaTrace)	
9H87R9	Pos PCR	Pos PCR
9RRUK4	Pos Human STR DNA Analysis	Pos Human STR DNA Analysis
AMJC3A	Pos	Pos
ARN8MA	Pos Y-screening	Pos Y-screening
ATPXYJ	Pos RSID	Pos RSID
BANH4K	Pos Quantifiler Trio	Pos Quantifiler Trio
BED7FH	Pos PowerQuant, HemaTrace	Pos PowerQuant
BNP87C	Pos ABA HemaTrace	Pos ABA HemaTrace
C4VMVL	Pos HemDirect	Pos HemDirect
C9Q7TW	Pos HY-QUANT	Pos HY-QUANT
D27N8F	Pos HemDirect	
DVZ4UH	Pos PowerQuant	Pos PowerQuant
DZRD6F	Pos PowerQuant, HemaTrace	Pos PowerQuant
EPQ8NM	Pos Power Quant	Pos Power Quant
F3L9FE	Pos PowerQuant, HemaTrace	Pos PowerQuant
F7TDKN	Pos Human Glycophorin A	Pos Human Glycophorin A
G6TNMK	Pos PowerQuant	Pos PowerQuant
GGRCPF	Pos Quant Trio	Pos Quant Trio
GKMDHG	Pos HemaTrace	Pos HemaTrace
GPEV4Z	Pos HEXAGON OBTI	Pos HEXAGON OBTI
GZXJNU	Pos Seratec PMB	Pos Seratec PMB
HK4UBP	Pos Fusion 6C amp and type	Pos Fusion 6C amp and type

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
HQRCRL	Pos PowerQuant	Pos PowerQuant
J4NKVY	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
K4E8D4	Pos HemaTrace	Pos HemaTrace
K7YDA7	Pos RSID	Pos RSID
KDFYBW	Pos	Pos
KM3UCX	Pos	Pos
KRC3RG	Pos PowerQuant	Pos PowerQuant
LBHUAA	Pos HemaTrace, Powerquant	Pos Powerquant
LLKEAG	Pos PowerQuant	Pos PowerQuant
LMZKX7	Pos HemaTrace	Pos HemaTrace
MD7NNP	Pos Quant Trio	Pos Quant Trio
MQURRE	Pos HemaTrace, PowerQuant	Pos PowerQuant
MWV7CG	Pos Quant Trio	Pos Quant Trio
N7JH4M	Pos QF Trio	Pos QF Trio
NCBHQV	Pos	Pos
NCK7NT	Pos HemaTrace, qPCR	Pos HemaTrace, qPCR
NGJQ7E	Pos PowerQuant, HemaTrace	Pos PowerQuant
NLVTWG	Pos HemaTrace	Pos PSA
NR24TU	Pos HemaTrace / Quant Trio	Pos HemaTrace / Quant Trio
NYKLT4	Pos HemDirect	NT
NZYDFT	Pos PCR	Pos PCR
P4BF2P	NT	Neg
PHTBFZ	Pos	Pos
Q39QUQ	Pos hexagon OBTI	Pos hexagon OBTI
QCEBHR	Pos Quant TRIO, HemaTrace	Pos Quant TRIO, HemaTrace
QDWY4Z	Pos RSID-Blood	Pos RSID-Blood
QPQD4X	Pos PowerQuant	Pos PowerQuant
R7RN2Z	Pos QuantifilerTrio	Pos QuantifilerTrio
R9XY8C	Pos PowerQuant	Pos PowerQuant
RPYXZC	Pos HemaTrace	Pos HemaTrace
RQULE2	Pos HemaTrace, PowerQuant	Pos PowerQuant
RYUM92	Pos RSID Blood	Pos RSID Blood
T2UA7X	Pos Quantifiler Trio	Pos Quantifiler Trio
T4F98Y	Pos QuantiTrio	Pos QuantiTrio
T6DAHX	Pos PowerQuant	Pos PowerQuant
UC7XH9	Pos PowerQuant	Pos PowerQuant
VCKEWE	Pos HemaTrace	Pos HemaTrace/ABA Card

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
VGJ9WN	Pos	Pos
VQPW9U	Pos	Pos
W2JPYW	Pos Quant	Pos Quant
WTM2TT	Pos Quantifiler Trio	Pos Quantifiler Trio
Y9Y6LR	Pos PowerQuant	Pos PowerQuant
ZUTDDR	Pos HemDirect	NT

Table 1d: Serology Screening Response Summary - Human Origin			Participants: 77
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	76	72	
Negative	0	1	
Inconclusive	0	0	
Not Tested (NT)	1	2	
Not Reported	0	2	

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
2FR2GT	Pos Quant	Pos Quant
2TR6HD	Pos Promega Casework Direct Kit	Pos Promega Casework Direct Kit
2VXEL4	Pos Qiagen Investigator™ Quantiplex	Pos Qiagen Investigator™ Quantiplex
3DGG7X	Pos	Pos
3GVJPM	Pos Pos	Pos Pos
3PBCAE	Pos Promega PowerQuant	Pos Promega PowerQuant
3UYNVE	Pos Quant Trio	Pos Quant Trio
4RAVHB	Pos Promega Casework Direct Kit, Custom	NT
6BK6ZM	Pos Quant Trio	Pos Quant Trio
6NPFW6	Pos PPY23	Pos PPY23
6RQ9KE	Pos	Pos
78EHQB	Pos Quantiplex HYres	Pos Quantiplex HYres
87U7G3	NT	Pos
8LE3ZR	Pos	Pos
9H87R9	Pos PCR	Pos PCR
9RRUK4	Pos Y23; Amelogenin; DYS391	Pos Y23; Amelogenin; DYS391
AMJC3A	Pos	Pos
ARN8MA	Pos Y-screening	Pos Y-screening
BNP87C	Pos Plexor HY	Pos Plexor HY
BR4X38	Pos NaOH Lysis	Pos NaOH lysis
BXCRB6	Pos Y-screening	Pos Y-screening
C9Q7TW	Pos HY-QUANT	Pos HY-QUANT
CJPYY3	Pos	Pos
F7TDKN	Pos NaOH	Pos NaOH
FL9BPP	Pos NAOH Y-Screen	Pos NAOH Y-Screen
G7MHEM	Pos NaOH Y screen	Pos NaOH Y screen
HX9XQH	Pos	Pos
J4NKVY	Pos Quant Trio	Pos Quant Trio
K4E8D4	Pos Y-STR	Pos Y-STR
KDFYBW	Pos	Pos
KM3UCX	Pos	Pos
MWV7CG	Pos Quant Trio	Pos Quant Trio
NCBHQV	Pos Y-screening	Pos Y-screening
NCK7NT	Pos qPCR	Pos qPCR
NR24TU	Pos Quant Trio	Pos Quant Trio

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
NZYDFT	Pos PCR	Pos PCR
P4BF2P	NT	Neg
PHTBFZ	Pos	Pos
PM4XXQ	Pos	Pos
Q7XCAF	Pos NaOH Y screen	Pos NaOH Y screen
QCEBHR	Pos Quant TRIO	Pos Quant TRIO
QJM9BD	Pos NaOH	Pos NaOH
QPQD4X	Pos PowerQuant	Pos PowerQuant
REKUY8	Pos Quant Trio	Pos Quant Trio
T2UA7X	Pos Quantifiler Trio	Pos Quantifiler Trio
T6DAHx	Pos PowerQuant	Pos PowerQuant
U8DUQP	Pos forensicGEM Sperm	Pos forensicGEM Sperm
VGJ9WN	Pos	Pos
VQPW9U	Pos	Pos
W2JPYW	Pos Quant	Pos Quant
W3QT4L	Pos Quant Trio	Pos Quant trio
W7WM96	Pos Promega Casework Direct Kit	NT
WTM2TT	Pos Quantifiler Trio	Pos Quantifiler Trio
X37W9K	Pos NaOH lysis	Pos NaOH lysis
Y9Y6LR	Pos PowerQuant	Pos PowerQuant
YLLCG8	Pos NaOH screen	Pos NaOH screen

Table 1e: Serology Screening Response Summary - Y Screening			Participants: 56
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	54	53	
Negative	0	1	
Inconclusive	0	0	
Not Tested (NT)	2	2	
Not Reported	0	0	

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	
2VXEL4			Sperm cells	Pos Mikro
76R3RG	ALS	Neg	ALS	Pos
8D27YR		Neg		Pos
AH7FCE	Semen	Neg ALS	Semen	Neg ALS
FKRBF8	Semen	Neg ALS	Semen	Neg ALS
FL9BPP	Urine	Neg RSID		
GZXJNU	Urine, Feces, Vomit	Neg Amides, Creatinine, Urobilinogen, Pepsin	Urine, Feces, Vomit	Neg Amides, Creatinine, Urobilinogen, Pepsin
KRBRQR	Faeces and urine	Neg Visual examination	Faeces and urine	Neg Visual examination
MQ8JJW	ALS	Neg	ALS	Neg
P4BF2P				Neg
Q7XCAF	Urine	Neg RSID		
QJM9BD	Urine	Neg RSID		
YLLCG8	Urine	Neg RSID		
YRHZPB	hair	Neg Visual	hair	Neg Visual

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

22PKJD	PowerPlex® ESI 16 Fast					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23				7,9	
	15,19					
<hr/>						
27WBLJ	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
<hr/>						
2ADALD	GlobalFiler™ (GeneMapper ID-X Forensic Data Analysis and Expert System Software Version 1.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
<hr/>						
2DUXF6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
<hr/>						
2ERAW7	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
<hr/>						
2F8AFV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

2FR2GT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
2KZHVM	PowerPlex® 21					
	11,15	17,19		16,17	11,12	11,13
1	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					
2UKZZF	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
2VXEL4	PowerPlex® ESX 17 Fast System					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
2VZUPB	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
2ZBBAD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
33ZRCY	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

37CQER	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
38NNLG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
38PKUR	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
39JAF9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
39PATV	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
3AGDDP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3APRCJ	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

3CHKB9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3DGG7X	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3EU92Z	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
3PBCAE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
3RCA76	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3RVTCC	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3TMRPB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

3UYNVE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4B4H3E	PowerPlex® ESI					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
4CUJ4W	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
4FHYNQ	PowerPlex® 6C Direct Fusion					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
4GCRHN	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4QW8XB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4RAVHB	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

4UXZJV	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4VUHKW	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4YA2DD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4YMT2N	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
642TWU	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6BK6ZM	GlobalFiler™ Express (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6DNPXV	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

6HYTWB	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6JUDJA	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6KQXR	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6N96WG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6NPFW6	NGM SElect					
	11,15	17,19	11,11.3	16,17	N/A	N/A
1	N/A	13,14	13,15	15,21	N/A	11,13
	14,15	13,16.2	27,28	15,15	X,Y	N/A
	21,23	N/A	N/A	18,25.2	7,9	N/A
	15,19	N/A	N/A	N/A	N/A	
6WFXVQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6WJ7FW	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

76R3RG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
77XUBH	GlobalFiler™ (STRMIX)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
78EHQB	GlobalFiler™ (TrueAllele)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
7FQ6MX	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
7HVFZ2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
7JQ7W9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
7LH4QT	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

7NKKQ4	Identifiler®, Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	N/A
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	N/A	N/A	18,25.2	7,9	8,12
	15,19	9	N/A	N/A	N/A	
7QRX87	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
7Z9QC6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8263QR	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
87F33X	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
87U7G3	PowerPlex® Fusion 6C (mRMP by Familias3)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
896283	ESI 17					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					

TABLE 2

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

Item 1 - STR Results

8BF6CT	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
8D27YR	GlobalFiler™ (STRmix 2.8)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8HDY97	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8J62TZ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
8LBP76	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8LE3ZR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8MBBCH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

8N3GMG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,12	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8QZ268	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8VXTR7	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
8ZM69Z	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
92KGZM	PowerPlex® 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
96EPUV	PowerPlex® 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
9AAJRW	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					

TABLE 2

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

Item 1 - STR Results

9HMD6D	GlobalFiler™ GlobalFiler Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9HNADN	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9JYAC4	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9QJ8ZQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
9RRUK4	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	--
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	--	7,9	8,12
	15,19	9	--	--	--	
9TBAZD	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
9UFUWZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

9VR7G3	PowerPlex® ESI 16 FAST SYSTEM					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15	X,Y	
	21,23				7,9	
	15,19					
9YGN7N	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9ZLPFZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ADVEHV	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
AGA7AN	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
AH7FCE	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ATPXJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

AVUN2R	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BANH4K	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BDMFD6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BED7FH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BEL296	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BFFRDJ	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BJ79HW	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

BN88Z2	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BN8H7Z	PowerPlex®					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
BNP87C	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
BR4X38	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BT4K9K	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BTGA3X	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BW4V6K	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

BWUBZN	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BXCRB6	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BRRXN7	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BXWRRU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BYZ6QY	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	-
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	-	-	18,25.2	7,9	8,12
	15,19	9	-	-	2	
C8AGE4	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
C9Q7TW	ESI 17					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					

TABLE 2

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

Item 1 - STR Results

CAJKBZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CFB4J6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CGKW9J	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CJPYY3	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
CXTN93	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CXUELC	PowerPlex® 21					
	11,15	17,19		16,17	11,12	11,13
1	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					
CZXG32	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

D27N8F	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
D64FQC	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
D8BP43	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DDGB7E	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
DDYNP6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DHTDUV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DNX68Y	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

DP787R	Investigator® 24plex					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
DQAK2Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DQP4NJ	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DVZ4UH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
DZ8RCQ	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
DZRD6F	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
E3UNKG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

E4CQDB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
E7DENVQ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
E8B39B	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
EBQWBW	PowerPlex® ESI-17 FAST					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
EH76KQ	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
EHK9YV	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
EPQ8NM	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

EX2QPX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
F3L9FE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
F4KC84	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
F6EVFX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
F7TDKN	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
F89JZD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FANVC2	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

FCHWKX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FDKEEZ	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FDUGKU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FFF9LP	GlobalFiler™ (STRmix 2.5v)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FFVNMJ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FHNHLA	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FKRBF8	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

FL9BPP	GlobalFiler™ Express (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FLM3FK	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FM26PE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FT8Z9E	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FYMR67	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
G6TBWQ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
G6TNMK	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

G7MHEM	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
GA9LAU	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
GBKTKV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
GHVCGZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
GJWYMD	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
GKMDHG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
GR6L9Y	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

GTXF4H		PowerPlex® Fusion 6C					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23	10	8,10	18,25.2	7,9	8,12
		15,19	9	22	19		
GV3PQT		Identifiler®, Investigator® 24plex QS					
		11,15	17,19	11,11.3	16,17	11,12	N/A
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15,15	X,Y	11,12
		21,23	N/A	N/A	18,25.2	7,9	8,12
		15,19	9	N/A	N/A	N/A	
GXC4NE		GlobalFiler™ (STRmix)					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15,15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
		15,19	9			2	
GZXJNU		GlobalFiler™					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
		15,19	9			2	
HK4UBP		PowerPlex® Fusion 6C					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23	10	8,10	18,25.2	7,9	8,12
		15,19	9	22	19		
HKJ2MX		GlobalFiler™					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
		15,19	9			2	
HLDYND		GlobalFiler™					
		11,15	17,19	11,11.3	16,17	11,12	
1		8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
		15,19	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 1 - STR Results

HQPMPA	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
HQRCRL	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
HUNXKA	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
HX9XQH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
J4NKVY	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
J7XXRM	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JDY82Z	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

JFNJXK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JG224C	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JPTNQ2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
JRGZML	Investigator® 24plex					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
JRY687	GlobalFiler™ (STRmix v2.6)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JVH74D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JWNQRD	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

JZCP2P	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
K3Y8TE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
K4E8D4	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
K7YDA7	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
K8P98M	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KB9GC2	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
KDFU3F	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

KFK4VR	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
KGUHA7	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KKEBMT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KKXZ28	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KPA3VQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KRBRQR	PowerPlex® ESI-17					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
KRC3RG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

KRC6GL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KU46R4	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
KVT2TV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LBHUAA	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LCVJGR	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
LFZ3LF	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
LHZTUV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

LL8R69	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LLKEAG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LU2LJ7	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LUJNCZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LVDED9	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
M37ZRL	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
MA82MT	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

MD7NNP	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MEGTYR	NGM Detect pcr amplification kit and homemade multiplex					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	8,12
	15,19				2	
MK4FWJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MQ8JJW	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MQURRE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
MWV7CG	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MXB7UK	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

MXD6YE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MXU397	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
N7JH4M	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
N8GL4P	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NBB2CP	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NCK7NT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NDLHMP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

NGJQ7E	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
NLVTWG	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
NPXWLH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NR24TU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NR3FTQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NTXZFP	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
NU8VFW	GlobalFiler™ Express (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

NWGTVY	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
NY4G8Y	GlobalFiler™ Express (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NYKLT4	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NZY98C	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
P4BF2P	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
P89BUJ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
P8CLGV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

PB6AVT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PGKTLB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PM4XXQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
PVZZCG	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
PWTWXP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PZRBLE	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
Q4827F	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

Q7CU3Z	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q7XCAF	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q8QENH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q9LQW6	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QCEBHR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QDWY4Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QJM9BD	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

QKQRPR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	NT
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	NT	NT	18,25.2	7,9	8,12
	15,19	9	NT	NT	2	
QPQD4X	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
QT49CF	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
QTCW92	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
QTQL88	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QTR6AP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R2EQNL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

R2VZKT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R7RN2Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R9XY8C	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RB3LKG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RBFQ4R	GlobalFiler™ (STRmix version 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
REKUY8	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
REQ4XZ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

RHLR9	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RLZM3Q	Essplex SE QS (GeneMapper ID-X v 1.2)					
	11,15	17,19	11,11.3	16,17		
1		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
RP7ZUQ	Investigator® 24plex GO! (TrueAllele)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
RPYXZC	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
RQULE2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RR8QVQ	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
RRCDP7	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

RXG3FR	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RXVNPT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
RYB43U	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RYUM92	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T2UA7X	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T4F98Y	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T6BRAZ	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

T6DAHx	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
T6TK4J	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
TJ8M7K	Investigator® 24plex QS (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
TJRUkX	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
TUCWAK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
TXVXAX	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U2MJGQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 1 - STR Results

U3J4CQ	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
U4CVDB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U4ETEY	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U8DUQP	PowerPlex® Fusion 5C (Bulletproof)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
UC7XH9	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
UDQJY	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
UY2C2G	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

UYHNFF	PowerPlex® Fusion					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
V8MH6L	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
VBVY3	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VC4W2T	PowerPlex® (STRmix)					
	11,15	17,19		16,17	11,12	11,13
1	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					
VCKEWE	PowerPlex® PP21					
	11,15	17,19		16,17	11,12	11,13
1	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19					
VEDJZ8	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VEP6YM	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

VKHFLR	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
VQAPT6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VX36CG	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VYFNAT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
W2JPYW	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
W3QT4L	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
W9287D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

WC2H2D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WC37PH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WF8RKV	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WJ8ZRQ	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
WMWNVB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WNXB2P	PowerPlex® Fusion 6C Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
WTM2TT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

WX3C7W	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
WYCGJK	Identifiler®, Investigator® 24plex (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
X37W9K	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
X83GJV	GlobalFiler™ Direct					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
X83XFL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XJGCZF	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XKT97K	Investigator® 24plex GO!					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				

TABLE 2

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

Item 1 - STR Results

XLKCQE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XMD8DM	Identifiler® Direct					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
XMJ8L4	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
XVBWWD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XXXEAR	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XZ34CZ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
XZ7G7N	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				

TABLE 2

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

Item 1 - STR Results

Y42LJT	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
Y9WMDU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Y9Y6LR	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
YA7MH2	GlobalFiler™ (STRmix v 2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
YBXZ79	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
YCP6DK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	NT
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	NT	NT	18,25.2	7,9	8,12
	15,19	9	NT	NT	2	
YLLCG8	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

YNMCNQ	GlobalFiler™ (STRmix™)					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
YRHZPB	Identifiler® Plus					
		17,19		16,17	11,12	
1	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
YX8FEH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Z3P7PR	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Z4TXM8	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
Z97TCG	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
Z9DQVT	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 1 - STR Results

ZF8C8K	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ZK48K9	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	-
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	-	7,9	8,12
	15,19	9	-	-	-	
ZPZCDX	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
ZRMVEV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ZUTDDR	GlobalFiler™ Express					
	11,15	17,19	11,11.3	16,17	11,12	
1	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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

22PKJD	PowerPlex® ESI 16 Fast					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22				7,9.3	
	14,19					
27WBLJ	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
2ADALD	GlobalFiler™ (GeneMapper ID-X Forensic Data Analysis and Expert System Software Version 1.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2DUXF6	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2ERAW7	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
2F8AFV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2FR2GT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

2KZHVM	PowerPlex® 21					
	15,15	19,24		15,17	10,12	11,18
2	9,10	12,13		20,22	8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					
2UKZZF	Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
2VXEL4	PowerPlex® ESX 17 Fast System					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
2VZUPB	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
2ZBBAD	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
33ZRCY	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
37CQER	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

38NNLG	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
38PKUR	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
39JAF9	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
39PATV	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
3AGDDP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3APRCJ	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3CHKB9	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

3DGG7X	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3EU92Z	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
3PBCAE	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
3RCA76	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3RVTCC	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3TMRPB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3UYNVE	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

4B4H3E	PowerPlex® ESI					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
4CUJ4W	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
4FHYNQ	PowerPlex® 6C Direct Fusion					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
4GCRHN	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4QW8XB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4RAVHB	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4UXZJV	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

4VUHKW	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4YA2DD	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4YMT2N	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
642TWU	PowerPlex® Fusion 6c					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6BK6ZM	GlobalFiler™ Express (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6DNPXV	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6HYTWB	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

6JUDJA	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6KQXR	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6N96WG	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6NPFW6	NGM SElect					
	15,15	19,24	11,13	15,17	N/A	N/A
2	N/A	12,13	14,15	20,22	N/A	11,13
	15,17	14,14	28,29	11,15	X,Y	N/A
	19,22	N/A	N/A	19,23.2	7,9.3	N/A
	14,19	N/A	N/A	N/A	N/A	
6WFXVQ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6WJ7FW	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
76R3RG	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

77XUBH	GlobalFiler™ (STRMIX)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
78EHQB	GlobalFiler™ (TrueAllele)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
7FQ6MX	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
7HVFZ2	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
7JQ7W9	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
7LH4QT	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
7NKKQ4	Identifiler®, Investigator® 24plex QS					
	15,15	19,24	11,13	15,17	10,12	N/A
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	N/A	N/A	19,23.2	7,9.3	8,12
	14,19	11	N/A	N/A	N/A	

TABLE 2

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

Item 2 - STR Results

7QRX87	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
7Z9QC6	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8263QR	Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
87F33X	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
87U7G3	PowerPlex® Fusion 6C (mRMP by Familias3)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
896283	ESI 17					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
8BF6CT	Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

8D27YR	GlobalFiler™ (STRmix 2.8)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8HDY97	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8J62TZ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
8LBP76	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8LE3ZR	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8MBBCH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8N3GMG	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

8QZ268	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8VXTR7	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
8ZM69Z	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
92KGZM	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
96EPUV	PowerPlex® 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
9AAJRW	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
9HMD6D	GlobalFiler™ GlobalFiler Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

9HNADN	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9JYAC4	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9QJ8ZQ	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
9RRUK4	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	--
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	--	7,9.3	8,12
	14,19	11	--	--	--	
9TBAZD	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
9UFUWZ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9VR7G3	PowerPlex® ESI 16 FAST SYSTEM					
	15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14	28,29	11,15	X,Y	
	19,22				7,9.3	
	14,19					

TABLE 2

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

Item 2 - STR Results

9YGN7N	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9ZLPFZ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ADVEHV	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
AGA7AN	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
AH7FCE	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ATPXJ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
AVUN2R	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

BANH4K	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BDMFD6	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BED7FH	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BEL296	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BFFRDJ	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BJ79HW	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BN88Z2	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

BN8H7Z	PowerPlex®					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
BNP87C	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
BR4X38	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BT4K9K	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BTGA3X	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BW4V6K	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BWUBZN	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

BXCRB6	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BRRXN7	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BXWRRU	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BYZ6QY	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	-
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	-	-	19,23.2	7,9.3	8,12
	14,19	11	-	-	2	
C8AGE4	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
C9Q7TW	ESI-17					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
CAJKBZ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

CFB4J6	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CGKW9J	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CJPYY3	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
CXTN93	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CXUELC	PowerPlex® 21					
	15,15	19,24		15,17	10,12	11,18
2	9,10	12,13		20,22	8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					
CZXG32	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
D27N8F	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

D64FQC	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
D8BP43	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DDGB7E	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
DDYNP6	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DHTDUV	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DNX68Y	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DP787R	Investigator® 24plex					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

DQAK2Z	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DQP4NJ	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DVZ4UH	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
DZ8RCQ	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
DZRD6F	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
E3UNKG	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
E4CQDB	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

E7DENVQ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
E8B39B	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
EBQWBW	PowerPlex® ESI-17 FAST					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
EH76KQ	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
EHK9YV	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
EPQ8NM	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
EX2QPX	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

F3L9FE	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
F4KC84	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
F6EVFX	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
F7TDKN	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
F89JZD	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FANVC2	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FCHWKX	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

FDKEEZ	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FDUGKU	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FFF9LP	GlobalFiler™ (STRmix 2.5v)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FFVNMJ	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
FHNHLA	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FKRBF8	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FL9BPP	GlobalFiler™ Express (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

FLM3FK	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FM26PE	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
FT8Z9E	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
FYMR67	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
G6TBWQ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
G6TNMK	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
G7MHEM	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

GA9LAU	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GBKTKV	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GHVCGZ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GJWYMD	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GKMDHG	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GR6L9Y	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GTXF4H	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

GV3PQT	Identifiler®, Investigator® 24plex QS					
	15,15	19,24	11,13	15,17	10,12	N/A
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	N/A	N/A	19,23.2	7,9.3	8,12
	14,19	11	N/A	N/A	N/A	
GXC4NE	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GZXJNU	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HK4UBP	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
HKJ2MX	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HLDYND	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HQPMPA	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

HQRCRL	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
HUNXKA	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
HX9XQH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
J4NKVY	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
J7XXRM	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JDY82Z	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JFNJJK	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

JG224C	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JPTNQ2	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
JRGZML	Investigator® 24plex					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
JRY687	GlobalFiler™ (STRmix v2.6)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JVH74D	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JWNQRD	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JZCP2P	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

K3Y8TE	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
K4E8D4	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
K7YDA7	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
K8P98M	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KB9GC2	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
KDFU3F	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KFK4VR	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					

TABLE 2

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

Item 2 - STR Results

KGUHA7	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KKEBMT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KKXZ28	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KPA3VQ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KRBRQR	PowerPlex® ESI-17					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
KRC3RG	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
KRC6GL	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

KU46R4	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
KVT2TV	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LBHUAA	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
LCVJGR	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
LFZ3LF	Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
LHZTUV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LL8R69	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

LLKEAG	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
LU2LJ7	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LUJNCZ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LVDED9	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
M37ZRL	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MA82MT	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MD7NNP	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

MEGTYR	NGM Detect pcr amplification kit and homemade multiplex					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	8,12
	14,19				2	
MK4FWJ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,[15]	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MQ8JJW	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MQURRE	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MWV7CG	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MXB7UK	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MXD6YE	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

MXU397	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
N7JH4M	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
N8GL4P	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NBB2CP	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NCK7NT	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NDLHMP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NGJQ7E	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

NLVTWG	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
NPXWLH	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NR24TU	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NR3FTQ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NTXZFP	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
NU8VFW	GlobalFiler™ Express (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NWGTVY	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

NY4G8Y	GlobalFiler™ Express (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NYKLT4	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NZY98C	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
P4BF2P	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
P89BUJ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
P8CLGV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
PB6AVT	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

PGKTLB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
PM4XXQ	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
PVZZCG	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
PWTWXP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
PZRBLE	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
Q4827F	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Q7CU3Z	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

Q7XCAF	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Q8QENH	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Q9LQW6	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QCEBHR	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QDWY4Z	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QJM9BD	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QKQRPR	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	NT
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	NT	NT	19,23.2	7,9.3	8,12
	14,19	11	NT	NT	2	

TABLE 2

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

Item 2 - STR Results

QPQD4X	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
QT49CF	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
QTCW92	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
QTQL88	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QTR6AP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
R2EQNL	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
R2VZKT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

R7RN2Z	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
R9XY8C	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RB3LKG	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RBFQ4R	GlobalFiler™ (STRmix version 2.4)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
REKUY8	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
REQ4XZ	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RHLRJ9	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

RLZM3Q	Essplex SE QS (GeneMapper ID-X v 1.2)					
	15,15	19,24	11,13	15,17		
2		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
RP7ZUQ	Investigator® 24plex GO! (TrueAllele)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
RPYXZC	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
RQULE2	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RR8QVQ	GlobalFiler™ (STRmix v 2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
RRCDP7	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
RXG3FR	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

RXVNPT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
RVB43U	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RYUM92	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T2UA7X	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T4F98Y	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T6BRAZ	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T6DAHX	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

T6TK4J	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
TJ8M7K	Investigator® 24plex QS (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
TJRUXX	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
TUCWAK	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
TXVXAX	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
U2MJGQ	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
U3J4CQ	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

U4CVDB	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
U4ETEY	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
U8DUQP	PowerPlex® Fusion 5C (Bulletproof)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
UC7XH9	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
UDQJY	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
UY2C2G	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
UYHNFF	PowerPlex® Fusion					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		NR	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

V8MH6L	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
VBVY3	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VC4W2T	PowerPlex® (STRmix)					
	15,15	19,24		15,17	10,12	11,18
2	9,10	12,13		20,22	8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					
VCKEWE	PowerPlex® PP21					
	15	19,24		15,17	10,12	11,18
2	9,10	12,13		20,22	8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					
VEDJZ8	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VEP6YM	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VKHFLR	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

VQAPT6	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VX36CG	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VYFNAT	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
W2JPYW	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
W3QT4L	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
W9287D	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WC2H2D	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

WC37PH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WF8RKV	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WJ8ZRQ	PowerPlex® Fusion 6c Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
WMWNVB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WNXB2P	PowerPlex® Fusion 6C Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
WTM2TT	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WX3C7W	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 2 - STR Results

WYCGJK	Identifiler®, Investigator® 24plex (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
X37W9K	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
X83GJV	GlobalFiler™ Direct					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
X83XFL	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
XJGCZF	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
XKT97K	Investigator® 24plex GO!					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
XLKCQE	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

XMD8DM	Identifiler® Direct					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
XMJ8L4	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
XVBWWD	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
XXXEAR	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
XZ34CZ	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
XZ7G7N	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
Y42LJT	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 2 - STR Results

Y9WMDU	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Y9Y6LR	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
YA7MH2	GlobalFiler™ (STRmix v 2.5)					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
YBXZ79	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
YCP6DK	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	NT
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	NT	NT	19,23.2	7,9.3	8,12
	14,19	11	NT	NT	2	
YLLCG8	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
YNMCNQ	GlobalFiler™ (STRmix™)					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

YRHZPB	Identifiler® Plus					
		19,24		15,17	10,12	
2	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
YX8FEH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Z3P7PR	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Z4TXM8	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
Z97TCG	Investigator® 24plex QS					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
Z9DQVT	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ZF8C8K	GlobalFiler™ Express					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 2 - STR Results

ZK48K9	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	-
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	-	7,9.3	8,12
	14,19	11	-	-	-	
ZPZCDX	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
ZRMVEV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ZUTDDR	GlobalFiler™ Express					
	15,15	19,24	11,13	15,17	10,12	
2	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 3 - STR Results

22PKJD	PowerPlex® ESI 16 Fast					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23				7,9	
	15,19					
2ADALD	GlobalFiler™ (GeneMapper ID-X Forensic Data Analysis and Expert System Software Version 1.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
2DUXF6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
2ERAW7	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
2F8AFV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
2FR2GT	GlobalFiler™ (STRMIX)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
2KZHVM	PowerPlex® 21					
	11,15	17,19		16,17	11,12	11,13
3	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					

TABLE 2

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

Item 3 - STR Results

2UKZZF	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
2VXEL4	PowerPlex® ESX 17 Fast System					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
2VZUPB	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
2ZBBAD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
33ZRCY	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
37CQER	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
38NNLG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

38PKUR	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
39JAF9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3AGDDP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3APRCJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3CHKB9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3EU92Z	PowerPlex® Fusion 6C (STRMix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
3PBCAE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

3RCA76	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3RVTCC	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3TMRPB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
3UYNVE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4CUJ4W	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
4FHYNQ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
4GCRHN	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

4QW8XB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4UXZJV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4VUHKW	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4YA2DD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4YMT2N	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
642TWU	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6BK6ZM	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

6DNPXV	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6JUDJA	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6KQXR	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6N96WG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6NPFW6	NGM SElect					
	11,15	17,19	11,11.3	16,17	N/A	N/A
3	N/A	13,14	13,15	15,21	N/A	11,13
	14,15	13,16.2	27,28	15,15	X,Y	N/A
	21,23	N/A	N/A	18,25.2	7,9	N/A
	15,19	N/A	N/A	N/A	N/A	
6WFXVQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
6WJ7FW	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

76R3RG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
77XUBH	GlobalFiler™ (STRMIX)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
78EHQB	GlobalFiler™ (TrueAllele)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
7FQ6MX	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
7HVFZ2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
7JQ7W9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
7LH4QT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

7QRX87	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
7Z9QC6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8263QR	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
87F33X	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
87U7G3	PowerPlex® Fusion 6C (mRMP by Familias3)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
896283	ESI17					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
8BF6CT	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				

TABLE 2

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

Item 3 - STR Results

8D27YR	GlobalFiler™ (STRmix 2.8)					
	11,14,15	17,19	10,11,11.3	15,16,17	10,11,12	
3	8,10,11	12,13,14	12,13,14,15	15,20,21	9,10,12,13	11,12,13
	13,14,15	13,15.2,16.2	27,28	14,15	X,Y	11,12
	20,21,22,23			17,18,24.2,25.2	7,9	8,12
	15,18,19	9			2	
8HDY97	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8J62TZ	PowerPlex® Fusion 5C					
	11,15	17,[19]	11,11.3	16,17	11,12	
3	8,11	13,14	[13],15	15,[21]	10,13	11,[13]
	14,15	13,16.2	27,28	15	X,Y	[11],12
	21,[23]	10	8,10		7,9	8,[12]
	15,[19]	9				
8LBP76	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8MBBCH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8N3GMG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
8QZ268	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

8VXTR7	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
8ZM69Z	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
92KGZM	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
96EPUV	PowerPlex® 5C					
	11,[15]	17,19	11,11.3	16,[17]	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,[10]		7,9	8,12
	15,19	9				
9HMD6D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9HNADN	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9JYAC4	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

9QJ8ZQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
9RRUK4	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	--
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	--	7,9	8,12
	15,19	9	--	--	--	
9TBAZD	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	21,22	19		
9UFUWZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9VR7G3	PowerPlex® ESI 16 FAST SYSTEM					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15	X,Y	
	21,23				7,9	
	15,19					
9YGN7N	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9ZLPFZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

ADVEHV	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
AGA7AN	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
AH7FCE	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
AVUN2R	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BANH4K	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BDMFD6	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BED7FH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

BFFRDJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BJ79HW	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BN88Z2	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BN8H7Z	PowerPlex®					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
BNP87C	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
BR4X38	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BT4K9K	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

BTGA3X	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BW4V6K	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BWUBZN	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BXCRB6	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
BXRNX7	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BXWRRU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
BYZ6QY	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	-
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	-	-	18,25.2	7,9	8,12
	15,19	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 3 - STR Results

C8AGE4	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
C9Q7TW	ESI-17					
	11,(14),15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15,(16)	X,Y	
	21,23			18,25.2	7,9	
	15,(18),19					
CAJKBZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CFB4J6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CJPYY3	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
CXTN93	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CXUELC	PowerPlex® 21					
	11,15	17,19		16,17	11,12	11,13
3	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					

TABLE 2

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

Item 3 - STR Results

CZXG32	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
D27N8F	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
D64FQC	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
D8BP43	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DDYNP6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DHTDUV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DNX68Y	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

DP787R	Investigator® 24plex					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
DQAK2Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DQP4NJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
DVZ4UH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
DZ8RCQ	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
DZRD6F	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
E3UNKG	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

E4CQDB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
E7DNVQ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
E8B39B	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
EBQWBW	PowerPlex® ESI-17 FAST					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
EHK9YV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
EPQ8NM	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
EX2QPX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

F3L9FE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
F4KC84	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
F6EVFX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
F7TDKN	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FANVC2	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FCHWKX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FDKEEZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

FDUGKU	GlobalFiler™ (STRmix V 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FFF9LP	GlobalFiler™ (STRmix 2.5v)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FFVNMJ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FHNHLA	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FKRBF8	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FL9BPP	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
FLM3FK	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

FM26PE	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FT8Z9E	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FYMR67	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
G6TBWQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
G6TNMK	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
G7MHM	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
GBKTKV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

GHVCGZ	GlobalFiler™ (STRmix 2.4)						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15,15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
	15,19	9			2		
GJWYMD	PowerPlex® Fusion 6C (STRmix)						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19			
GKMDHG	PowerPlex® Fusion 6C						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19			
GR6L9Y	GlobalFiler™						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15,15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
	15,19	9			2		
GTXF4H	PowerPlex® Fusion 6C						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19			
GV3PQT	Identifiler®, Investigator® 24plex QS						
		11,15	17,19	11,11.3	16,17	11,12	N/A
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15,15	X,Y	11,12
		21,23	N/A	N/A	18,25.2	7,9	8,12
	15,19	9	N/A	N/A	N/A		
GXC4NE	GlobalFiler™ (STRmix)						
		11,15	17,19	11,11.3	16,17	11,12	
	3	8,11	13,14	13,15	15,21	10,13	11,13
		14,15	13,16.2	27,28	15	X,Y	11,12
		21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

GZXJNU	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
HK4UBP	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
HKJ2MX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
HLDYND	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
HQRCRL	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
J4NKVY	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
J7XXRM	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

JDY82Z	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JFNJXK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JG224C	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JPTNQ2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
JRGZML	Investigator® 24plex (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
JRY687	GlobalFiler™ (STRmix v2.6)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JVH74D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

JWNQRD	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
JZCP2P	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
K3Y8TE	GlobalFiler™ (STRmix)					
	11,15	17,19	10,11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,15.2,16.2	27,28	15	X,Y	11,12
	20,21,22,23			18,25.2	7,9	8,12
	15,19	9			2	
K4E8D4	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
K7YDA7	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
K8P98M	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KB9GC2	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				

TABLE 2

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

Item 3 - STR Results

KDFU3F	GlobalFiler™ (STRmix)					
	11,14,15	17,19	10,11,11.3	15,16,17	10,11,12	
3	8,10,11	12,13,14	13,14,15	15,21	10,12,13	11,13
	13,14,15	13,15.2,16.2	27,28	14,15	X,Y	11,12
	20,21,22,23			17,18,24.2,25.2	7,9	8,12
	15,18,19	9			2	
KFK4VR	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
KGUHA7	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KKEBMT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KKXZ28	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KPA3VQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KRBRQR	PowerPlex® ESI-17					
	11,15	17,19	11,11.3	16,17		
3		14,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					

TABLE 2

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

Item 3 - STR Results

KRC3RG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
KRC6GL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
KU46R4	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
KVT2TV	GlobalFiler™ (STRmix 2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LBHUAA	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LFZ3LF	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
LHZTUV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

LL8R69	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LLKEAG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LU2LJ7	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LUJNCZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,[15.2],16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LVDED9	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
M37ZRL	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
MA82MT	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

MD7NNP	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MEGTYR	NGM Detect pcr amplification kit and homemade multiplex					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	8,12
	15,19				2	
MK4FWJ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MQ8JJW	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MQURRE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
MWV7CG	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MXB7UK	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

MXD6YE	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
MXU397	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
N7JH4M	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
N8GL4P	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NBB2CP	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NCK7NT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NDLHMP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

NGJQ7E	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
NLVTWG	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
NPXWLH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NR24TU	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NR3FTQ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NU8VFW	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NWGTVY	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				

TABLE 2

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

Item 3 - STR Results

NY4G8Y	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NYKLT4	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
NZY98C	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
P4BF2P	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
P89BUJ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
P8CLGV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PB6AVT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

PGKTLB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PM4XXQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
PVZZCG	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
PWTWXP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q4827F	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q7CU3Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q7XCAF	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

Q8QENH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Q9LQW6	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QCEBHR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QJM9BD	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QKQRPR	GlobalFiler™ (STRmix v2.4)					
	11,15	17,19	11,11.3	16,17	11,12	NT
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	NT	NT	18,25.2	7,9	8,12
	15,19	9	NT	NT	2	
QPQD4X	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
QT49CF	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

QTCW92	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
QTQL88	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
QTR6AP	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R2EQNL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R2VZKT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R7RN2Z	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
R9XY8C	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

RB3LKG	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RBfq4R	GlobalFiler™ (STRmix version 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
REKUY8	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
REQ4XZ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RHLRJ9	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RLZM3Q	Essplex SE QS (GeneMapper ID-X v 1.2)					
	11,15	17,19	11,11.3	16,17		
3		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
RP7ZUQ	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				

TABLE 2

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

Item 3 - STR Results

RQULE2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RR8QVQ	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
RRCDP7	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
RXG3FR	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RXVNPT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
RYB43U	PowerPlex® Fusion 6C (strmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RYUM92	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

T2UA7X	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T4F98Y	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T6BRAZ	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
T6DAHX	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
T6TK4J	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
TJ8M7K	Investigator® 24plex QS (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
TUCWAK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

TXVXAX	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U2MJGQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
U3J4CQ	PowerPlex® Fusion 6C (STRMix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	21,22	19		
U4CVDB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U4ETEY	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
U8DUQP	PowerPlex® Fusion 5C (Bulletproof)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
UC7XH9	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

UDQJY	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
UY2C2G	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
UYHNFF	PowerPlex® Fusion					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
V8MH6L	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
VBVFY3	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VC4W2T	PowerPlex® (STRmix)					
	11,15	17,19		16,17	11,12	11,13
3	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10,10	8,10		7,9	8,12
	15,19					
VCKEWE	PowerPlex® PP21					
	11,15	17,19		16,17	11,12	11,13
3	8,11	13,14		15,21	10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19					

TABLE 2

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

Item 3 - STR Results

VEDJZ8	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VEP6YM	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VKHFLR	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
VQAPT6	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	15,16,17	11,12	
3	8,11	13,14	13,14,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,22,23			17,18,25.2	7,9	8,12
	15,19	9			2	
VX36CG	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
VYFNAT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
W2JPYW	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

W3QT4L	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
W9287D	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WC2H2D	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WC37PH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WF8RKV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WJ8ZRQ	PowerPlex® Fusion 6c (STRMix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
WMWNVB	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

WNXB2P	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
WTM2TT	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
WYCGJK	Investigator® 24plex (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
X37W9K	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
X83GJV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
X83XFL	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XJGCZF	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3 - STR Results

XLKCQE	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XMJ8L4	Investigator® 24plex QS (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
XVBWWD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XXXEAR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
XZ34CZ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
XZ7G7N	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
Y42LJT	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

Y9Y6LR	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
YA7MH2	GlobalFiler™ (STRmix v 2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
YBXZ79	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	15,19	9				
YCP6DK	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	NT
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	NT	NT	18,25.2	7,9	8,12
	15,19	9	NT	NT	2	
YLLCG8	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
YNMCNQ	GlobalFiler™ (STRmix™)					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
YRHZPB	Identifiler® Plus					
		17,19		16,17	11,12	
3	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					

TABLE 2

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

Item 3 - STR Results

YX8FEH	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Z3P7PR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
Z97TCG	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
Z9DQVT	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ZF8C8K	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ZK48K9	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	16,17	11,12	-
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	-	7,9	8,12
	15,19	9	-	-	-	
ZPZCDX	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3 - STR Results

ZRMVEV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
ZUTDDR	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3e - STR Results

27WBLJ	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
39PATV	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
3DGG7X	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
4B4H3E	PowerPlex® ESI					
	11,15	17,19	11,11.3	16,17		
3e		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
7NKKQ4	Identifiler®, Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	N/A
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	N/A	N/A	18,25.2	7,9	8,12
	15,19	9	N/A	N/A	N/A	
8LE3ZR	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
9AAJRW	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					

TABLE 2

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

Item 3e - STR Results

ATPXJ	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
CGKW9J	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
EH76KQ	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
F89JZD	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
HX9XQH	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
PZRBLE	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
QDWY4Z	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3e - STR Results

RPYXZC	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
KKT97K	Investigator® 24plex QS					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9				
XMD8DM	Identifiler® Plus					
		17,19		16,17	11,12	
3e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
Z4TXM8	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
3e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 3sp - STR Results

27WBLJ	Identifiler® Plus					
		17,19		16,17	11,12	
3sp	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
39PATV	PowerPlex® Fusion 6C					
3sp						
3DGG7X	GlobalFiler™ (STRmix)					
	11	17,19		17		
3sp	8	13,14	15	15	13	
	14,15		27	15		11
					9	8
7NKKQ4	Identifiler®, Investigator® 24plex QS					
	N/A	N/A	N/A	N/A	N/A	N/A
3sp	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A
8LE3ZR	GlobalFiler™ (STRmix)					
	15	17	11,11.3		11,12	
3sp		13	13		10	
	14,15		28		X,Y	12
				18,25.2	9	8,12
	15				2	
9AAJRW	Identifiler® Plus					
		--		--	--	
3sp	--	--			--	--
	--	--	--		--	--
	--				--	--
	--					
ATPXJ	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
3sp	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	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 3sp - STR Results

CGKW9J GlobalFiler™

3sp

EH76KQ Identifiler® Plus

3sp

F89JZD GlobalFiler™

3sp

HX9XQH GlobalFiler™ (STRmix)

3sp

		19			11,12	
11	13,14		13	15	13	
			27	15		
15					2	

PZRBLE Identifiler® Plus

3sp

QDWY4Z GlobalFiler™ (STRmix)

3sp

11,15	17,19	11,11.3	16,17	11,12		
8,11	13,14	13,15	15,21	10,13	11,13	
14,15	13,16.2	27,28	15	X,Y	11,12	
21,23			18,25.2	7,9	8,12	
15,19	9			2		

RPYXZC Identifiler® Plus

3sp

TABLE 2

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

Item 3sp - STR Results

XKT97K	Investigator® 24plex QS					
	NR	NR	NR	NR	NR	
3sp	NR	NR	NR	NR	NR	13
	NR	NR	NR	NR	NR	11
	NR			NR	NR	NR
	NR	NR				
XMD8DM	Identifiler® Plus					
		17,19		16,17	11,12	
3sp	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
Z4TXM8	PowerPlex® Fusion 6C					
3sp						

TABLE 2

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

Item 4 - STR Results

2ADALD	GlobalFiler™ (GeneMapper ID-X Forensic Data Analysis and Expert System Software Version 1.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
2VXEL4	PowerPlex® ESX 17 Fast System					
	11,15	17,19,24	11,11.3,13	15,16,17		
4		12,13,14	13,14,15	15,20,21,22		11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	
	14,15,19					
6KQXR	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
76R3RG	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
7JQ7W9	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
87U7G3	PowerPlex® Fusion 6C (LRmix Studio)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
8N3GMG	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4 - STR Results

9RRUK4	PowerPlex® Fusion 5C					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	-
4	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	[9],10,[11]	[5],8,10,[12]	---	7,9,[9.3]	8,12
	[14],15,19	9,[11]	--	--	--	
BYZ6QY	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	-
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	-	-	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	-	-	2	
CZXG32	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
E3UNKG	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FCHWKX	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
GXC4NE	GlobalFiler™ (STRmix)					
	11,15	17,19,24		15,16,17	11,12	
4	8,10,11	13,14	13,15	15,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28	11,15	X,Y	11,12
	19,21,23			18,19,25.5	7,9,9.3	8,12
	14,15,19	9,11			2	
JG224C	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4 - STR Results

JRY687	GlobalFiler™ (STRmix v2.6)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
MEGTYR	NGM Detect pcr amplification kit and homemade multiplex					
	11,15	17,19,24	11,11.3,13	15,16,17		
4		12,13,14	13,14,15	15,20,21,22		11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19				2	
N8GL4P	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
NDLHMP	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
P4BF2P	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
P8CLGV	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
R2VZKT	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4 - STR Results

RXVNPT	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

22PKJD	PowerPlex® ESI 16 Fast (EuroForMix)					
	11,15	17,19,24	11,11.3,13	15,16,17		
4e		12,13,14	13,14,15	15,20,21,22		11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	
	19,21,22,23				7,9,9.3	
	14,15,19					
27WBLJ	Identifiler® Plus					
		17,19		16,17	11,12	
4e	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
2DUXF6	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
2ERAW7	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
2F8AFV	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,21	8,10,12,13	11,13
	14,15	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
2FR2GT	GlobalFiler™ (STRMIX)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
2KZHVM	PowerPlex® 21 (STRmix v2.7)					
	11,15	17,19,24		15,16,17	10,11,12	11,13,18
4e	8,9,10,11	12,13,14		15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23	10	5,8,10		7,9,9.3	8,12
	15,19					

TABLE 2

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

Item 4e - STR Results

2UKZZF	Investigator® 24plex QS (STRmix 2.6.3)					
	10,11,14,15,Q	17,19,Q	10,11,11.3,13,Q	15,16,17,Q	10,11,12,Q	
4e	7,8,9,10,11,Q	12,13,14,Q	12,13,14,15,Q	14,15,20,21,22,Q	8,9,10,12,13,Q	10,11,12,13,Q
	13,14,15,17,Q	12,13,14,15.2,16.2,Q	26,27,28,29,Q	11,14,15,16,Q	X,Y	10,11,12,Q
	19,20,21,22,23,Q			17,17.2,18,19,23.2,24.2,25.2,Q	7,9,Q	8,11,12,Q
	14,15,18,19,Q	9,11				
2VZUPB	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,10,11	12,13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23				7,9,9.3	8,12
	14,15,19					
2ZBBAD	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	13,14	13,14,15	15,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
33ZRCY	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
37CQER	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
38NNLG	PowerPlex® Fusion 6C					
	11,15	17,19#	11,11.3#	16,17#	11,12#	
4e	8,11#	13,14#	13,15#	15,21#	10,13	11,13
	14,15#	13,16.2#	27,28#	15#	X,Y	11,12
	21,23#	10#	8,10#	18,25.2#	7,9#	8,12
	15,19	9	22#	19		
38PKUR	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 4e - STR Results

39JAF9	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
39PATV	PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3,[13]	16,17	[10],11,12	
4e	8,[9],11	[12],13,14	13,15	15,21,[22]	[8],10,13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,23	[9],10	[5],8,10,[12]	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,[11]	[18],22	[17],19		
3AGDDP	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
3APRCJ	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
3CHKB9	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
3DGG7X	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
3EU92Z	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,22	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	[9],10,[11]	[5],8,10,[12]	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	[18],22	[17],19		

TABLE 2

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

Item 4e - STR Results

3PBCAE	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11	18,22	17,19		
3RCA76	GlobalFiler™					
	11,15	17,19,[24]	11,11.3	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
3RVTC	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	8,10,12,13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,[11]			2	
3TMRPB	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
3UYNVE	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,14,15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
4B4H3E	PowerPlex® ESI					
	11,15	17,19,(24)	11,11.3	(15),16,17		
4e		(12),13,14	13,(14),15	15,21		11,13
	14,15,(17)	13,(14),16.2	27,28	15,15	X,Y	
	(19),21,(22),23			18,(19),(23.2),25.2	7,9,(9.3)	
	(14),15,19					
4CUJ4W	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		

TABLE 2

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

Item 4e - STR Results

4FHYNQ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,18,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	13,14,16.2	27,28,29	11,14,15,16	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,11,12
	14,15,18,19	9,11	18,22	17,19		
4GCRHN	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
4QW8XB	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
4UXZJV	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
4VUHKW	GlobalFiler™ (STRmix)					
	11,14,15	17,18,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	11,12,13
	13,14,15,17	13,14,16.2	27,28,29	11,14,15	X,Y	11,12
	19,21,22,23			17,18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
4YA2DD	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
4YMT2N	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

642TWU	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
6BK6ZM	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
6DNPXV	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
6JUDJA	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
6N96WG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,18,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	13,14,16.2	27,28,29	11,14,15,16	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,11,12
	14,15,18,19	9,11	18,22	17,19		
6NPFW6	NGM SElect (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	N/A	N/A
4e	N/A	12,13,14	13,14,15	15,20,21,22	N/A	11,13
	14,15	13,14,16.2	27,28,29	11,15	X,Y	N/A
	19,21,22,23	N/A	N/A	18,19,23.2,25.2	7,9,9.3	N/A
	14,15,19	N/A	N/A	N/A	N/A	
6WFXVQ	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,21	10,12,13	11,13
	14,15,17	13,14,16.2	27,28	15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

6WJ7FW	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
77XUBH	GlobalFiler™ (STRMIX)					
	11,15	17,19,24	11,11.3,13	16,17	10,11,12	
4e	8,9,10,11	13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28	11,15	X,Y	11,12
	19,21,22,23			18,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
78EHQB	GlobalFiler™ (TrueAllele)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
7FQ6MX	Identifiler® Plus					
		17,19,(24)		(15),16,17	(10),11,12	
4e	8,(9),(10),11	(12),13,14			(8),10,13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)		X,Y	11,12
	(19),21,(22),23				7,9,(9.3)	8,12
	15,19					
7HVFZ2	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
7LH4QT	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
7NKKQ4	Identifiler®, Investigator® 24plex QS					
	11,15	17,19,[24]	11,11.3	[15],16,17	[10],11,12	N/A
4e	8,[10],11	[12],13,14	13,15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	15	X,Y	11,12
	[19],21,[22],23	N/A	N/A	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	N/A	N/A	N/A	

TABLE 2

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

Item 4e - STR Results

7QRX87	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,10,11	12,13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23				7,9,9.3	8,12
	14,15,19					
7Z9QC6	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
8263QR	Investigator® 24plex QS (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9				
87F33X	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
896283	ESI17					
	11,15	17,19,24	11,11.3,13	15,16,17		
4e		12,13,14	13,14,15	15,20,21,22		11,13
	14,15,17	13,14,(15.2),16.2	27,28,29	11,15	X,Y	
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	
	14,15,19					
8BF6CT	Investigator® 24plex QS (STRmix)					
	11,14,15	16,17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	11,12,13
	13,14,15,17	12,13,14,15.2,16.2	26,27,28,29	11,14,15,16	X,Y	10,11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11				
8D27YR	GlobalFiler™ (STRmix 2.8)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28	14,15	X,Y	11,12
	19,20,21,22,23			17,18,19,23.2,24.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

8HDY97	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
8J62TZ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3	[15],16,17	11,12	
4e	8,[9],11	[12],13,14	13,[14],15	15,21	[8],10,[12],13	11,13
	[14],15,[17]	13,[14],16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,[9]	8,[12]
	15,19	9				
8LBP76	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
8LE3ZR	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
8MBBCH	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
8QZ268	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	21,[22],23			18,[19],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
8VXTR7	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,10,11	12,13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23				7,9,9.3	8,12
	14,15,19					

TABLE 2

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

Item 4e - STR Results

8ZM69Z	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	22	17,19		
92KGZM	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
96EPUV	PowerPlex® 5C					
	11,15	17,19,[24]	11,11.3	[15],16,17	[10],11,12	
4e	8,11	13,[14]	13,[14],15	15,21	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	15	X,Y	11,12
	21,23	10	8,10		7,9,[9.3]	8,12
	[14],15,19	9				
9AAJRW	Identifiler® Plus					
		17,19,(24)		(15),16,17	(10),11,12	
4e	8,(9),(10),11	(12),13,14			(8),10,13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)		X,Y	11,12
	(19),21,(22),23				7,9,(9.3)	8,12
	15,19					
9HMD6D	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
9HNADN	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,10,11	12,13,14	13,14,15	15,21	8,10,13	11,13
	14,15,17	13,14,16.2	27,28	15	X,Y	11,12
	21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9			2	
9JYAC4	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

9QJ8ZQ	PowerPlex® Fusion 6C (STRMix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
9TBAZD	PowerPlex® Fusion 6C (STRmix)					
	10,11,14,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	12,13,14,15.2,16.2	26,27,28,29	14,15,16	X,Y	10,11,12
	19,21,22,23	9,10,11	5,8,10,12	17,18,19,24.2,25.2	7,9,9.3	8,12
	14,15,18,19	9	18,22	18,19		
9UFUWZ	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
9VR7G3	PowerPlex® ESI 16 FAST SYSTEM (LR MIX STUDIO 2.0)					
	11,15	17,19,24	11,11.3,13	15,16,17		
4e		12,13,14	13,14,15	15,20,21,22		11,13
		14,15,17	13,14,16.2	27,28,29	11,15	X,Y
		19,21,22,23			7,9,9.3	
		14,15,19				
9YGN7N	GlobalFiler™ (STRmix)					
	10,11,14,15	17,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	10,11,12,13
	13,14,15,17	12,13,14,15.2,16.2	26,27,28,29	11,14,15,16	X,Y	10,11,12
	19,20,21,22,23			17,18,19,23.2,24.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11			2	
9ZLPFZ	GlobalFiler™ (STRmix v2.5.11)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
ADVEHV	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,11	12,13,14	13,14,15	15,20,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

AGA7AN	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
AH7FCE	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
ATPXJ	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
AVUN2R	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	[9],10,[11]	[5],8,10,[12]	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	[18],22	[17],19		
BANH4K	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
BDMFD6	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
BED7FH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 4e - STR Results

BFFRDJ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
BJ79HW	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
BN88Z2	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
BN8H7Z	PowerPlex®					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17		
4e		[12],13,14	13,15	15,[20],21,[22]		11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[10],[11],15,15	X,Y	
	[19],21,[22],23			18,[19],[20],[23.2],25.2	7,9,[9.3]	
	[14],15,[18],19			.2		
BNP87C	Identifiler® Plus					
		17,19,24		16,17	10,11,12	
4e	8,9,11	13,14			8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,23				7,9,9.3	8,12
	15,19					
BR4X38	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
BT4K9K	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	19		

TABLE 2

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

Item 4e - STR Results

BTGA3X	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9	22	17,19		
BW4V6K	PowerPlex® Fusion 6C (STRmix V2.4.05)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
BWUBZN	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
BXCRB6	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11	18,22	17,19		
BRRXN7	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
BXWRRU	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,11	13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,23			18,19,23.2,25.2	7,9	8,12
	15,19	9			2	
C8AGE4	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

C9Q7TW	ESI-17					
	(11),15	(17),19,24	11,(11.3),13	15,(16),17		
4e		12,13,(14)	13,14,15	(15),20,(21),22		11,13
	(14),15,17	13,14,(16.2)	(27),28,29	11,15	X,Y	
	19,(21),22,(23),(24)			(18),19,(20),23.2,(25.2)	7,(9),9.3	
	14,(15),19					
CAJKBZ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9			2	
CFB4J6	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,23			18,19,23.2,25.2	7,9	8,12
	14,15,19	9,11			2	
CGKW9J	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9			2	
CJPYY3	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
CXTN93	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
CXUELC	PowerPlex® 21 (STRmix 2.7)					
	11,15	17,19		15,16,17	10,11,12	11,13,18
4e	8,9,10,11	12,13,14		15,20,21,22	10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23	9,10	8,10		7,9,9.3	8,12
	14,15,19					

TABLE 2

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

Item 4e - STR Results

D27N8F	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
D64FQC	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3,13	15,16,17	10,11,12	
4e	8,11	12,13,14	13,15	15,20,21	10,13	11,13
	14,15,17	13,14,16.2	27,28	15	X,Y	11,12
	21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9			2	
D8BP43	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
DDYNP6	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	10,11,12	
4e	8,9,10,11	[12],13,14	13,14,15	15,20,21,22	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	19,21,22,23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
DHTDUV	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
DNX68Y	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
DP787R	Investigator® 24plex					
	11,15	17,19,(24)	11,11.3,(13)	(15),16,17	(10),11,12	
4e	8,(9,10),11	(12),13,14	13,(14),15	15,(20),21,(22)	(8),10,(12),13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)	(11),15,15	X,Y	11,12
	(19),21,(22),23			18,(19,23.2),25.2	7,9,(9.3)	8,12
	(14),15,19	9,(11)				

TABLE 2

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

Item 4e - STR Results

DQAK2Z	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
DQP4NJ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
DVZ4UH	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
DZ8RCQ	Identifiler® Plus					
		17,19		(15),16,17	11,12	
4e	8,(10),11	(12),13,14			10,13	11,13
	14,15	13,16.2	27,28,(29)		X,Y	11,12
	21,(22),23				7,9,(9.3)	8,12
	15,19					
DZRD6F	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
E4CQDB	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	8,10,12,13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,[11]			2	
E7DNVQ	PowerPlex® Fusion 5C					
	11,15	17,19	11,11.3,[13]	[15],16,17	11,12	
4e	8,[10],11	[12],13,14	[13,14],15	15,21	10,13	11,13
	[14],15	13,16.2	27,28	15	X,Y	11,12
	21,23	10	8,10		7,9	8,12
	[15],19	9				

TABLE 2

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

Item 4e - STR Results

E8B39B	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
EBQWBW	PowerPlex® ESI-17 FAST					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17		
4e		13,14	13,[14],15	15,[20],21,[22]		11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15,15	X,Y	
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	
	[14],15,19					
EH76KQ	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,11	13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	21,22,23				7,9,9.3	8,12
	15,19					
EHK9YV	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	4,7,9,9.3	8,11,12
	14,15,19	9,11			2	
EPQ8NM	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
EX2QPX	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
F3L9FE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 4e - STR Results

F4KC84	PowerPlex® Fusion 6C					
	11,15	17,19#	11,11.3	16,17#	11,12	
4e	8,11#	13,14	13,15	15,21#	10,13	11,13
	14,15	13,16.2#	27,28#	15#	X,Y	11,12
	21,23	10	8,10#	18,25.2#	7,9#	8,12
	15,19	9	22	19		
F6EVFX	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
F7TDKN	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,9,11	13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
F89JZD	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,11			2	
FANVC2	GlobalFiler™ (STRmix 2.6.3)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FDKEEZ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[10],11	13,14	13,[14],15	15,[20],21	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28	15,15	X,Y	11,12
	21,[22],23			18,[19],25.2	7,9	8,12
	[14],15,19	9,[11]			2	
FDUGKU	GlobalFiler™ (STRmix v. 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

FFF9LP	GlobalFiler™ (STRmix 2.5v)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FFVNMJ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
FHNHLA	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,23			18,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FKRBF8	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FL9BPP	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FLM3FK	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
FM26PE	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		

TABLE 2

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

Item 4e - STR Results

FT8Z9E	PowerPlex® Fusion 6C (STRmix)					
	10,11,14,15	16,17,18,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	13,14,16.2	27,28,29	11,14,15,16	X,Y	10,11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11	18,22	17,19		
FYMR67	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
G6TBWQ	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
G6TNMK	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
G7MHEM	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	16,17	11,12	
4e	8,9,10,11	13,14	13,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
GBKTKV	GlobalFiler™ (STRMix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
GHVCGZ	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

GJWYMD	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,15.2,16.2	27,28,29	11,14,15,16	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	22	17,19		
GKMDHG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
GR6L9Y	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
GTXF4H	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
GV3PQT	Investigator® 24plex QS					
	11,15	17,19	11,11.3,[13]	[15,]16,17	[10],11,12	N/A
4e	8,[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	N/A	N/A	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	N/A	N/A	N/A	
GZXJNU	GlobalFiler™ (eDNA BULLET)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
HK4UBP	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		

TABLE 2

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

Item 4e - STR Results

HKJ2MX	GlobalFiler™					
	11,15	17,19	11,11.3,[13]	[15],16,17	[10],11,12	
	8,[9],11	[12],13,14	13,[14],15	15,[20],21	[8],10,[12],13	11,13
	14,15	13,[14],16.2	27,28,[29]	15	X,Y	11,12
	21,[22],23			18,25.2	7,9	8,12
	15,19	9,[11]		2		
HLDYND	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9		2		
HQRCL	PowerPlex® Fusion 6C (STRmix v2.5)					
	11,15	17,19	11,11.3	16,17	11,12	
	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
HX9XQH	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		
J4NKVY	GlobalFiler™ (STRmix v2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		
J7XXRM	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		
JDY82Z	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		

TABLE 2

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

Item 4e - STR Results

JFNJXK	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
JPTNQ2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3,[13]	16,17	11,12	
4e	8,[10],11	13,14	13,15	15,21,[22]	10,13	11,13
	14,15	13,[14],16.2	27,28	15	X,Y	11,12
	21,23	10	8,10	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9	22	19		
JRGZML	Investigator® 24plex (STRmix)					
	11,15	17,19	11,11.3	16,17	[10],11,12	
4e	8,[10],11	[12],13,14	13,15	15,21	[8],10,[12],13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9				
JVH74D	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
JWNQRD	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,21	8,10,12,13	11,13
	14,15	13,14,16.2	27,28	15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
JZCP2P	PowerPlex® Fusion 5C					
	11,15	17,19,24	11,11.3	15,16,17	10,11,12	
4e	8,10,11	12,13,14	13,15	15,20,21	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	21,22,23	10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9				
K3Y8TE	GlobalFiler™ (STRmix)					
	11,14,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	13,14,15,17	12,13,14,15.2,16.2	27,28,29	11,14,15	X,Y	11,12
	19,20,21,22,23			17,18,19,23.2,24.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

K4E8D4	Identifiler® Plus					
		17,19		16,17	10,11,12	
4e	8,9,10,11	13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	21,22,23				7,9,9.3	8,12
	14,15,19					
K7YDA7	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
K8P98M	GlobalFiler™					
	11,15	[17],19	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,11	[12],13,14	13,15	15,21	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28	15,15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,[9],[9.3]	8,12
	[14],15,19	9			2	
KB9GC2	PowerPlex® Fusion 5C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9,11				
KDFU3F	GlobalFiler™ (STRmix)					
	11,14,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,9,10,12,13	11,12,13
	13,14,15,17	13,14,15.2,16.2	26,27,28,29	11,14,15	X,Y	11,12
	19,20,21,22,23			17,18,19,23.2,24.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		5.2		
					2	
KFK4VR	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,10,11	12,13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23				7,9,9.3	8,12
	14,15,19					
KGUHA7	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,22,23			18,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

KKEBMT	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,[14],15	15,20,21,22	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	19,21,22,23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
KKXZ28	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
KPA3VQ	GlobalFiler™ (STRmix v2.6.3.04)					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,[11]			2	
KRBRQR	PowerPlex® ESI-17					
	11,15	17,19	11,11.3	16,17		
4e		13,14	13,15	15,21		11,13
	14,15	13,16.2	27,28	15,15	X,Y	
	21,23			18,25.2	7,9	
	15,19					
KRC3RG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
KRC6GL	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
KU46R4	Identifiler® Plus					
		17,19,[24]		16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14			[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]		X,Y	11,12
	[19],21,[22],23				7,9,[9.3]	8,12
	[14],15,19					

TABLE 2

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

Item 4e - STR Results

KVT2TV	GlobalFiler™ (STRmix 2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
LBHUAA	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LFZ3LF	Investigator® 24plex QS (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11				
LHZTUV	GlobalFiler™					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15	X,Y	11,12
	21,23			18,25.2	7,9	8,12
	15,19	9			2	
LL8R69	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
LLKEAG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
LU2LJ7	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,19,23.2,25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

LUJNCZ	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	8,10,12,13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	19,21,22,23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,[11]			2	
LVDED9	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
M37ZRL	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
MA82MT	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	8,10	18,19,23.2,25.2	7,9	8,12
	15,19	9	22	17,19		
MD7NNP	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
MK4FWJ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],[23]			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,[11]			2	
MQ8JJW	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

MQURRE	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
MWV7CG	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
MXB7UK	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11	18,22	17,19		
MXD6YE	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
MXU397	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,[11]			2	
N7JH4M	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
NBB2CP	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

NCK7NT	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
NGJQ7E	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
NLVTWG	Identifiler® Plus					
		17,19,(24)		(15),16,17	(10),11,12	
4e	8,(9),(10),11	(12),13,14			(8),10,13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)		X,Y	11,12
	(19),21,(22),23				7,9,(9.3)	8,12
	15,19					
NPXWLH	GlobalFiler™					
	11,15	17,19,[24]	11,11.3	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	[27],28,[29]	15,15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
NR24TU	GlobalFiler™ (STRmix v. 2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
NR3FTQ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
NU8VFW	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

NWGTVY	PowerPlex® Fusion 5C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9,11				
NY4G8Y	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
NYKLT4	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15,15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
NZY98C	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
P89BUJ	PowerPlex® Fusion 5C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9,11				
PB6AVT	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
PGKTLB	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

PM4XXQ	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28	11,15	X,Y	11,12
	21,22,23	10	5,8,10	18,19,23.2,25.2	7,9	8,12
	14,15,19	9	22	19		
PVZZCG	Identifiler® Plus					
		17,19,[24]		[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14			[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]		X,Y	11,12
	[19],21,[22],23				7,9,[9.3]	8,12
	[14],15,19					
PWTWXP	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9,10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19,23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
PZRBLE	Identifiler® Plus					
		17,19,24		15,16,17	10,11,12	
4e	8,9,10,11	12,13,14			8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23				7,9,9.3	8,12
	15,19					
Q4827F	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
Q7CU3Z	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
Q7XCAF	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

Q8QENH	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
Q9LQW6	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
QCEBHR	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
QDWY4Z	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
QJM9BD	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
QKQRPR	GlobalFiler™ (STRmix v2.4)					
	11,15	17,18,19,24	11,11.3,13	15,16,17	10,11,12	NT
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,12,13
	14,15,17	13,14,16.2	27,28,29	11,15,16	X,Y	11,12
	19,21,22,23	NT	NT	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	NT	NT	2	
QPQD4X	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	15	X,Y	11,12
	[19],21,[22],23	10,[11]	8,10,[12]	18,[19],[23.2],25.2	7,9	8,12
	[14],15,19	9,[11]	22	[17],19		

TABLE 2

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

Item 4e - STR Results

QT49CF	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
QTCW92	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
QTQL88	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
QTR6AP	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
R2EQNL	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
R7RN2Z	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	12,13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
R9XY8C	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 4e - STR Results

RB3LKG	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
RBfq4R	GlobalFiler™ (STRmix version 2.4)					
	11,15	16,17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	10,11,12,13
	14,15,17	13,14,15.2,16.2	26,27,28,29	11,14,15,16	X,Y	10,11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11			2	
REKUY8	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
REQ4XZ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
RHLRj9	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
RLZM3Q	Esspex SE QS (GeneMapper ID-X v 1.2)					
	11,15	17,19,24	11,11.3,13	15,16,17		
4e		12,13,14	13,14,15	15,20,21,22		11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	
	14,15,19					
RP7ZUQ	Investigator® 24plex QS (TrueAllele)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11				

TABLE 2

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

Item 4e - STR Results

RPYXZC	Identifiler® Plus					
		17,19,(24)		(15),16,17	(10),11,12	
4e	8,(9),(10),11	(12),13,14			(8),10,(12),13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)		X,Y	11,12
	(19),21,(22),23				7,9,(9.3)	8,12
	(14),15,19					
RQULE2	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		
RR8QVQ	GlobalFiler™ (STRmix v 2.4.06)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
RRCDP7	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,[11]			2	
RXG3FR	PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	[9],10	[5],8,10,[12]	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	[18],22	[17],19		
RYB43U	PowerPlex® Fusion 6C (strmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15,16	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
RYUM92	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	16,17	11,12	
4e	8,9,10,11	13,14	13,14,15	15,21	10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9	8,12
	15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

T2UA7X	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
T4F98Y	GlobalFiler™					
	11,15	17,19,24	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	12,13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,14,16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
T6BRAZ	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,9.3	8,12
	[14],15,19	9,11			2	
T6DAHx	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23	[9],10,[11]	[5],8,10,[12]	18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]	[18],22	[17],19		
T6TK4J	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
TJ8M7K	Investigator® 24plex QS (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11				
TUCWAK	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

TXVXAX	GlobalFiler™ (STRmix)					
	11,15	17,19	11,11.3,13	16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9			2	
U2MJGQ	PowerPlex® Fusion 6C					
	11,15	17,19#	11,11.3#	16,17#	11,12#	
4e	8,11#	13,14#	13,15#	15,21#	10,13#	11,13
	14,15#	13,16.2#	27,28#	15#	X,Y	11,12
	21,23#	10#	8,10#	18,25.2#	7,9#	8,12
	15,19#	9#	22#	19#		
U3J4CQ	PowerPlex® Fusion 6C (STRMix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,14,15,16	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
U4CVDB	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
U4ETEY	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	15,19	9,11			2	
U8DUQP	PowerPlex® Fusion 5C (Bulletproof)					
	11,15	17,19,[24]	11,11.3,[13]	16,17	11,12	
4e	8,11	13,14	13,[14],15	15,[20],21	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28	15	X,Y	11,12
	[19],21,[22],23	10	8,10		7,9,[9.3]	8,12
	15,19	9				
UC7XH9	PowerPlex® Fusion 6C					
	11,15	17,19	11,11.3	16,17	11,12	
4e	8,11	13,14	13,15	15,21	10,13	11,13
	14,15	13,16.2	27,28	15,15	X,Y	11,12
	21,23	10,10	8,10	18,25.2	7,9	8,12
	15,19	9	22	19		

TABLE 2

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

Item 4e - STR Results

UDQJY	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,15.2,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
UY2C2G	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
UYHNFF	PowerPlex® Fusion					
	11,15	17,19,[24]	11,11.3,[13]	16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	15	X,Y	11,12
	[19],21,[22],23	10,[11]	[5],8,10		7,9	8,12
	[14],15,19	9				
V8MH6L	PowerPlex® Fusion 5C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9,11				
VBVFY3	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
VC4W2T	PowerPlex® (STRmix)					
	11,15	17,19,24		15,16,17	10,11,12	11,13,18
4e	8,9,10,11	12,13,14		15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23	9,10	5,8,10,12		7,9,9.3	8,12
	14,15,19					
VCKEWE	PowerPlex® PP21					
	11,15	17,19		16,17	11,12	11,13,18
4e	8,11	12,13,14		15,21	10,13	11,13
	14,15,17	13,14,16.2	27,28		X,Y	11,12
	21,22,23	10	8,10		7,9	8,12
	15,19					

TABLE 2

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

Item 4e - STR Results

VEDJZ8	GlobalFiler™ (STRmix v2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
VEP6YM	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
VKHFLR	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,14,15	X,Y	11,12
	19,21,22,23	9,10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
VQAPT6	GlobalFiler™ (STRmix)					
	10,11,14,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,9,10,12,13	10,11,12,13
	13,14,15,17	12,13,14,15.2,16.2	27,28,29	11,14,15	X,Y	10,11,12
	19,20,21,22,23			17,18,19,23.2,24.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11			2	
VX36CG	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
VYFNAT	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
W2JPYW	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

W3QT4L	GlobalFiler™ (STRmix 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
W9287D	GlobalFiler™ (STRmix V2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.5	7,9,9.3	8,12
	14,15,19	9,11			2	
WC2H2D	GlobalFiler™ (STRmix 2.4)					
	11,15	17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	10,11,12,13
	13,14,15,17	13,14,15.2,16.2	26,27,28,29	11,14,15,16	X,Y	10,11,12
	19,20,21,22,23			18,19,23.2,25.2	7,9,9.3	8,11,12
	14,15,18,19	9,11			2	
WC37PH	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	
WF8RKV	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
WJ8ZRQ	PowerPlex® Fusion 6c (STRMix)					
	10,11,14,15	16,17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	10,11,12,13
	13,14,15,17	12,13,14,15.2,16.2	26,27,28,29	11,14,15,16	X,Y	10,11,12
	19,20,21,22,23	9,10,11	5,8,10,12	17,18,19,23.2,24.2,25.2	7,8,9,9.3	8,11,12
	14,15,18,19	9,11	18,22	17,19		
WMWNVB	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15,15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	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 4e - STR Results

WNXB2P	PowerPlex® Fusion 6C (STRmix)					
	10,11,14,15	16,17,18,19,24	10,11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	12,13,14,15	15,20,21,22	8,10,12,13	10,11,12,13
	13,14,15,17	12,13,14,15.2,16.2	26,27,28,29	14,15,16	X,Y	10,11,12
	19,21,22,23	9,10	8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,18,19	9,11	22	17,19		
WTM2TT	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
WYCGJK	Identifiler®, Investigator® 24plex (STRmix)					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]				
X37W9K	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	15	X,Y	11,12
	19,21,22,23			18,19,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
X83GJV	GlobalFiler™					
	11,15	17,19,(24)	11,11.3,(13)	(15),16,17	(10),11,12	
4e	8,(9),(10),11	(12),13,14	13,(14),15	15,21,(22)	(8),10,(12),13	11,13
	14,15,(17)	13,(14),16.2	27,28,(29)	(11),15	X,Y	11,12
	(19),21,(22),23			18,(23.2),25.2	7,9,(9.3)	8,12
	(14),15,19	9,11			2	
X83XFL	GlobalFiler™ (STRmix v. 2.4)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
XJGCZF	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[19],[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,[11]			2	

TABLE 2

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

Item 4e - STR Results

XKT97K	Investigator® 24plex QS					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11				
XLKCQE	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11		2		
XMD8DM	Identifiler® Plus					
		17,19		16,17	11,12	
	8,11	13,14			10,13	11,13
	14,15	13,16.2	27,28		X,Y	11,12
	21,23				7,9	8,12
	15,19					
XMJ8L4	Investigator® 24plex QS (STRmix)					
	10,11,14,15,Q	17,18,19,24,Q	10,11,11.3,13,Q	15,16,17,Q	10,11,12,Q	
	8,9,10,11,Q	12,13,14,Q	12,13,14,15,Q	14,15,20,21,Q	8,9,10,12,13,Q	10,11,12,13,Q
	13,14,15,17,Q	12,13,14,15.2,16.2,Q	26,27,28,29,Q	11,14,15,16,Q	X,Y	10,11,12,Q
	19,20,21,22,23,Q			17,17.2,18,19,23.2,24.2,25.2,Q	7,9,9.3,Q	8,11,12,Q
	14,15,18,19,Q	9,11				
XVBWWD	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		
XXXEAR	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11		2		
XZ34CZ	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		

TABLE 2

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

Item 4e - STR Results

XZ7G7N	PowerPlex® Fusion 5C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9				
Y42LJT	PowerPlex® Fusion 6C (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
Y9Y6LR	Identifiler® Plus, PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3	[15],16,17	[10],11,12	
4e	8,[10],11	[12],13,14	13,[14],15	15,[20],21,[22]	10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	21,[22],23	[9],10	8,10	18,[19],25.2	7,9	8,12
	15,19	9,[11]	[18],22	[17],19		
YA7MH2	GlobalFiler™ (STRmix v 2.5)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
YBXZ79	PowerPlex® Fusion 5C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19	9,11				
YCP6DK	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	NT
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	NT	NT	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	NT	NT	2	
YLLCG8	GlobalFiler™ (STRmix)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,11	12,13,14	13,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4e - STR Results

YNMCNQ	GlobalFiler™ (STRmix™)					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	15,19	9,11			2	
YRHZPB	Identifiler® Plus					
		17,19,[24]		[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14			[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]		X,Y	11,12
	[19],21,[22],23				7,9,[9.3]	8,12
	15,19					
YX8FEH	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
Z3P7PR	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
Z4TXM8	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23	9,10	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
Z97TCG	Investigator® 24plex QS (STRmix v2.6)					
	10,11,14,14.2,15,16	16,17,18,19,24,Q	10,11,11.3,13,Q	14,15,16,17	10,11,12,13,Q	
4e	7,8,9,10,11,Q	12,13,14,Q	12,13,14,15,Q	14,15,20,21,22,Q	8,9,10,12,13	10,11,12,13,Q
	13,14,15,17,Q	12,13,14,15.2,16.2,Q	26,27,28,29,Q	11,14,15,16,Q	X,Y	10,11,12,Q
	19,20,21,22,23,Q			17,17.2,18,19,23.2,24.2,25,25.2,Q	6,7,8,9,9.3	7,8,11,12,Q
	14,15,18,19	9,11				

TABLE 2

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

Item 4e - STR Results

Z9DQVT	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
ZF8C8K	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	
ZK48K9	PowerPlex® Fusion 5C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	-
4e	8,9,10,11	13,14	13,14,15	15,20,21	8,10,13	11,13
	14,15,17	13,14,16.2	27,28	11,15	X,Y	11,12
	19,21,22,23	10	5,8,10,12	-	7,9,9.3	8,12
	14,15,19	9	-	-	-	
ZPZCDX	PowerPlex® Fusion 6C					
	11,15	17,19,[24]	11,11.3,[13]	16,17	11,12	
4e	8,[10],11	13,14	13,15	15,21,[22]	[8],10,13	11,13
	14,15,[17]	13,[14],16.2	27,28	[11],15,15	X,Y	11,12
	[19],21,23	10,10	[5],8,10,[12]	18,[23.2],25.2	7,9	8,12
	15,19	9,[11]	[18],22	[17],19		
ZRMVEV	GlobalFiler™					
	11,15	17,19,[24]	11,11.3,[13]	[15],16,17	[10],11,12	
4e	8,[9],[10],11	[12],13,14	13,[14],15	15,21,[22]	[8],10,[12],13	11,13
	14,15,[17]	13,[14],16.2	27,28,[29]	[11],15	X,Y	11,12
	[19],21,[22],23			18,[23.2],25.2	7,9,[9.3]	8,12
	[14],15,19	9,11			2	
ZUTDDR	GlobalFiler™					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4e	8,9,10,11	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29	11,15	X,Y	11,12
	19,21,22,23			18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11			2	

TABLE 2

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

Item 4sp - STR Results

22PKJD	PowerPlex® ESI 16 Fast (EuroForMix)					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22				7,9.3	
	14,19					
27WBLJ	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
2DUXF6	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2ERAW7	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
2F8AFV	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2FR2GT	GlobalFiler™ (STRMIX)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
2KZHVM	PowerPlex® 21 (STRmix v2.7)					
	11,15	17,19,24		15,16,17	10,11,12	11,13,18
4sp	8,9,10,11	12,13,14		15,20,21,22	8,10,12,13	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19					

TABLE 2

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

Item 4sp - STR Results

2UKZZF	Investigator® 24plex QS (STRmix 2.6.3)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
2VZUPB	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
2ZBBAD	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
33ZRCY	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
37CQER	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
38NNLG	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
38PKUR	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

39JAF9	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
39PATV	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
3AGDDP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3APRCJ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3CHKB9	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3DGG7X	GlobalFiler™ (STRmix)					
	15	17,19,24	11,13	15,17	10,12	
4sp	9,10	12,13,14	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3EU92Z	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

3PBCAE	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
3RCA76	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3RVTCC	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12,[13]	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3TMRPB	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
3UYNVE	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4B4H3E	PowerPlex® ESI					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
4CUJ4W	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

4FHYNQ	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
4GCRHN	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4QW8XB	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4UXZJV	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4VUHKW	GlobalFiler™ (STRmix)					
	14,14,2,15	19,23,24	10,11,12,13	14,15,16,17	10,11,12	
4sp	8,9,10	11,12,13,14	13,14,15	19,20,21,22	8,11,12	10,11,12,13,14
	14,15,16,17	13,14	27,28,29	11,14,15	X,Y	10,11,12
	19,21,22			18,19,20,22.2,23.2,25.2	7,9.3	8,12
	14,18,19	10,11			2	
4YA2DD	GlobalFiler™ (STRmix 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
4YMT2N	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

642TWU	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6BK6ZM	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6DNPXV	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6JUDJA	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
6N96WG	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
6NPFW6	NGM SElect (STRmix)					
	15,15	19,24	11,13	15,17	N/A	N/A
4sp	N/A	12,13	14,15	20,22	N/A	11,13
	15,17	14,14	28,29	11,15	X,Y	N/A
	19,22	N/A	N/A	19,23.2	7,9.3	N/A
	14,19	N/A	N/A	N/A	N/A	
6WFXVQ	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

6WJ7FW	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
77XUBH	GlobalFiler™ (STRMIX)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
78EHQB	GlobalFiler™ (TrueAllele)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
7FQ6MX	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
7HVFZ2	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
7LH4QT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
7NKKQ4	Identifiler®, Investigator® 24plex QS					
	15,15	19,24	11,13	15,17	10,12	N/A
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	N/A	N/A	19,23.2	7,9.3	8,12
	14,19	11	N/A	N/A	N/A	

TABLE 2

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

Item 4sp - STR Results

7QRX87	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
7Z9QC6	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8263QR	Investigator® 24plex QS (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
87F33X	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
896283	ESI17					
	15,15	19,[23],24	11,13	15,17		
4sp		[9],12,13	14,15	[19],20,22		11,13
	[14],15,[16],17	14,14	[27],28,29	11,15	X,Y	
	19,22			[18],19,23.2	7,9.3	
	14,[18],19					
8BF6CT	Investigator® 24plex QS (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
8D27YR	GlobalFiler™ (STRmix 2.8)					
	14,15	19,23,24	10,11,13	14,15,16,17	10,11,12	
4sp	9,10	12,13	14,15	20,21,22	8,12	11,13
	14,15,17	13,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	10,11			2	

TABLE 2

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

Item 4sp - STR Results

8HDY97	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8J62TZ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
8LBP76	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8LE3ZR	GlobalFiler™ (STRmix)					
	15	17,19,24	11,13	15,17	10,12	
4sp	9,10	12,13,14	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8MBBCH	GlobalFiler™					
	[11],15	19,24	11,[11.3],13	15,[16],17	10,[11],12	
4sp	[8],9,10,[11]	12,13,[14]	[13],14,15	[15],20,[21],22	8,[10],12,[13]	11,13
	[14],15,17	[13],14,[16.2]	[27],28,29	11,15	X,Y	11,12
	19,[21],22,[23]			[18],19,23.2,[25.2]	7,9,9.3	8,12
	14,[15],19	[9],11			2	
8QZ268	GlobalFiler™					
	15	19,24	11,13	15,[16],17	10,12	
4sp	9,10	12,13	14,15	20,[21],22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
8VXTR7	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					

TABLE 2

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

Item 4sp - STR Results

8ZM69Z	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
92KGZM	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
96EPUV	PowerPlex® 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,[12]		7,9.3	8,12
	14,19	11				
9AAJRW	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
9HMD6D	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9HNADN	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9JYAC4	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

9QJ8ZQ	PowerPlex® Fusion 6C (STRMix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
9TBAZD	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
9UFUWZ	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
9VR7G3	PowerPlex® ESI 16 FAST SYSTEM (LR MIX STUDIO 2.0)					
	15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14	28,29	11,15	X,Y	
	19,22				7,9.3	
	14,19					
9YGN7N	GlobalFiler™ (STRmix)					
	11,14,14.2,15	19,23,24	10,11,13	14,15,16,17	9,10,11,12	
4sp	8,9,10,11	11,12,13,14	13,14,15	15,19,20,21,22	8,10,11,12,13	10,11,12,13
	14,15,16,17	13,14	27,28,29	11,14,15	X,Y	10,11,12
	19,21,22			18,19,22.2,23.2	7,9,9.3	8,12
	14,15,18,19	10,11			2	
9ZLPFZ	GlobalFiler™ (STRmix v2.5.11)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ADVEHV	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

AGA7AN	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
AH7FCE	GlobalFiler™ (STRmix v2.4.06)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ATPXJ	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
AVUN2R	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BANH4K	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BDMFD6	GlobalFiler™ (STRmix v2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BED7FH	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

BFFRDJ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BJ79HW	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18,19	17		
BN88Z2	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BN8H7Z	PowerPlex®					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
BNP87C	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
BR4X38	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BT4K9K	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

BTGA3X	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BW4V6K	PowerPlex® Fusion 6C (STRmix V2.4.05)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BWUBZN	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BXCRB6	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
BXXN7	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
BXWRRU	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
C8AGE4	GlobalFiler™ (STRmix 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

C9Q7TW	ESI-17					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	(13.2),15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
CAJKBZ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CFB4J6	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CGKW9J	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CJPYY3	PowerPlex® Fusion 6C					
	11,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,8,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
CXTN93	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
CXUELC	PowerPlex® 21 (STRmix 2.7)					
	11,15	17,19,24		15,16,17	10,11,12	11,13,18
4sp	8,9,10,11	12,13,14		15,20,21,22	8,12	11,13
	14,15,17	13,14,16.2	27,28,29		X,Y	11,12
	19,21,22,23	9,10,11	5,8,10,12		7,9,9.3	8,12
	14,15,19					

TABLE 2

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

Item 4sp - STR Results

D27N8F	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
D64FQC	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,16.2	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
D8BP43	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DDYNP6	GlobalFiler™					
	15	19,24	11,[11.3],13	15,[16],17	10,12	
4sp	[8],9,10	12,13	14,15	20,22	8,12,[13]	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2,[25.2]	7,[9],9.3	8,12
	14,19	11			2	
DHTDUV	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DNX68Y	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,[20],23.2	7,9.3	8,12
	14,19	11			2	
DP787R	Investigator® 24plex					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 4sp - STR Results

DQAK2Z	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DQP4NJ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
DVZ4UH	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
DZ8RCQ	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	(13),14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
DZRD6F	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
E4CQDB	GlobalFiler™					
	[11],15	[17],19,24	11,[11.3],13	15,17	10,[11],12	
4sp	9,10	12,13,[14]	[13],14,15	[15],20,[21],22	8,12,[13]	11,13
	15,17	14,[16.2]	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,[15],19	[9],11			2	
E7DNVQ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	[11],13
	[15],17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 4sp - STR Results

E8B39B	GlobalFiler™					
	[11],15	[17],19,24	11,13	15,17	10,12	
4sp	9,10,[11]	12,13	14,15	20,[21],22	8,[10],12	11,13
	15,17	14,[16.2]	28,29	11,15	X,Y	11,12
	19,22,[23]			19,23.2	7,9.3	8,12
	14,19	[9],11			2	
EBQWBW	PowerPlex® ESI-17 FAST					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
EH76KQ	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
EHK9YV	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	4,7,9.3	8,12
	14,19	11			2	
EPQ8NM	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
EX2QPX	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
F3L9FE	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

F4KC84	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
F6EVFX	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
F7TDKN	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
F89JZD	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FANVC2	GlobalFiler™ (STRmix 2.6.3)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FDKEEZ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FDUGKU	GlobalFiler™ (STRmix v. 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

FFF9LP	GlobalFiler™ (STRmix 2.5v)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FFVNMJ	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
FHNHLA	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FKRBF8	GlobalFiler™ (STRmix v2.4.06)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FL9BPP	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FLM3FK	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
FM26PE	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

FT8Z9E	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
FYMR67	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
G6TBWQ	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
G6TNMK	PowerPlex® Fusion 6C (STRmix v2.5.11)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
G7MHM	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,10,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GBKTKV	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GHVCGZ	GlobalFiler™ (STRmix 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

GJWYMD	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GKMDHG	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GR6L9Y	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
GTXF4H	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
GV3PQT	Investigator® 24plex QS					
	15,15	19,24	11,13	15,17	10,12	N/A
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	N/A	N/A	19,23.2	7,9.3	8,12
	14,19	11	N/A	N/A	N/A	
GZXJNU	GlobalFiler™ (eDNA BULLET)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HK4UBP	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

HKJ2MX	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HLDYND	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
HQRCRL	PowerPlex® Fusion 6C (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
HX9XQH	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
J4NKVY	GlobalFiler™ (STRmix v2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
J7XXRM	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JDY82Z	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

JFNJXK	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JPTNQ2	PowerPlex® Fusion 6C					
	[11],15	[17],19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	[15],20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,[8],12	19,23.2	7,9.3	8,12
	14,19	11	18,22	17		
JRGZML	Investigator® 24plex (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
JVH74D	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JWNQRD	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
JZCP2P	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
K3Y8TE	GlobalFiler™ (STRmix)					
	14,15	18,19,23,24	10,11,12,13	14,15,16,17	10,11,12	
4sp	9,10	11,12,13	13,14,15	19,20,21,22	8,12	11,12,13
	14,15,16,17	13,14	27,28,29	11,14,15	X,Y	11,12
	18,19,21,22,23			18,19,22.2,23.2	7,9,9.3	8,12
	14,18,19	10,11			2	

TABLE 2

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

Item 4sp - STR Results

K4E8D4	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
K7YDA7	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,16,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,18,19	11			2	
K8P98M	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KB9GC2	PowerPlex® Fusion 5C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
KDFU3F	GlobalFiler™ (STRmix)					
	14,15	19,24	11,13	15,16,17	10,11,12	
4sp	9,10	12,13	13,14,15	19,20,21,22	8,11,12	11,13
	14,15,16,17	13,14	28,29	11,14,15	X,Y	11,12
	19,21,22			18,19,23.2	7,9.3	8,12
	14,19	11			2	
KFK4VR	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
KGUHA7	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

KKEBMT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KKXZ28	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KPA3VQ	GlobalFiler™ (STRmix v2.6.3.04)					
	[11],15	[17],19,24	11,13	15,[16],17	10,12	
4sp	9,10,[11]	12,13,[14]	14,15	[15],20,[21],22	8,12	11,13
	15,17	14,[16.2]	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	[9],11			2	
KRBRQR	PowerPlex® ESI-17					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
KRC3RG	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
KRC6GL	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,21,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
KU46R4	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					

TABLE 2

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

Item 4sp - STR Results

KVT2TV	GlobalFiler™ (STRmix 2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LBHUAA	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
LFZ3LF	Investigator® 24plex QS (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
LHZTUV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
LL8R69	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
LLKEAG	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
LU2LJ7	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

LUJNCZ	GlobalFiler™					
	[11],15	[17],19,24	11,[11.3],13	15,[16],17	10,[11],12	
4sp	9,10,[11]	12,13,[14]	[13],14,15	[15],20,[21],22	8,12,[13]	11,13
	15,17	[13],14,[16.2]	28,29	11,15	X,Y	11,12
	19,[21],22,[23]			19,[20],23.2	7,[9],9.3	8,12
	14,[15],19	[9],11			2	
LVDED9	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
M37ZRL	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MA82MT	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MD7NNP	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MK4FWJ	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MQ8JJW	GlobalFiler™ (STRmix v 2.4.06)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,16.2	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

MQURRE	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MWV7CG	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MXB7UK	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
MXD6YE	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
MXU397	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
N7JH4M	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NBB2CP	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

NCK7NT	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NGJQ7E	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
NLVTWG	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
NPXWLH	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NR24TU	GlobalFiler™ (STRmix v. 2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NR3FTQ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NU8VFW	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

NWGTVY	PowerPlex® Fusion 5C (STRMix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
NY4G8Y	GlobalFiler™ (STRmix)					
	15	17,19,24	11,13	15,16,17	10,11,12	
4sp	9,10	12,13,14	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	9,11			2	
NYKLT4	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
NZY98C	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
P89BUJ	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
PB6AVT	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
PGKTLB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

PM4XXQ	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
PVZZCG	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
PWTWXP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,[16.2]	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
PZRBLE	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
Q4827F	GlobalFiler™					
	15	19,24	11,11.3,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	13,14	28,29	11,15	X,Y	11,12
	19,21,22			19,23.2,25.2	7,9.3	8,12
	14,19	11			2	
Q7CU3Z	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Q7XCAF	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

Q8QENH	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Q9LQW6	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QCEBHR	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QDWY4Z	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QJM9BD	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QKQRPR	GlobalFiler™ (STRmix v2.4)					
	15,15	19,24	11,13	15,17	10,12	NT
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	NT	NT	19,23.2	7,9.3	8,12
	14,19	11	NT	NT	2	
QPQD4X	Identifiler® Plus, PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

QT49CF	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
QTCW92	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
QTQL88	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
QTR6AP	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
R2EQNL	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
R7RN2Z	GlobalFiler™					
	15,[-]	[17],19,24	11,[11.3],13	15,[16],17	10,[11],12	
4sp	9,10,[11],[-]	12,13,[14]	14,15,[-]	20,[21],22,[-]	8,12,[13],[-]	11,13
	15,17,[-]	14,[16.2],[-]	28,29,[-]	11,15	X,Y	11,12
	19,22,[23],[-]			19,23.2,[-]	7,9.3,[-]	8,12
	14,19,[-]	[9],11			2	
R9XY8C	PowerPlex® Fusion 6C (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

RB3LKG	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	15,20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RBfq4R	GlobalFiler™ (STRmix version 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
REKUY8	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
REQ4XZ	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RHLRj9	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RLZM3Q	Esspex SE QS (GeneMapper ID-X v 1.2)					
	15,15	19,24	11,13	15,17		
4sp		12,13	14,15	20,22		11,13
	15,17	14,14	28,29	11,15	X,Y	
	19,22			19,23.2	7,9.3	
	14,19					
RP7ZUQ	Investigator® 24plex QS (TrueAllele)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				

TABLE 2

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

Item 4sp - STR Results

RPYXZC	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
RQULE2	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RR8QVQ	GlobalFiler™ (STRmix v 2.4.06)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
RRCDP7	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
RXG3FR	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RYB43U	PowerPlex® Fusion 6C (strmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
RYUM92	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

T2UA7X	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T4F98Y	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T6BRAZ	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
T6DAHX	Identifiler® Plus, PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
T6TK4J	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
TJ8M7K	Investigator® 24plex QS (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
TUCWAK	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

TXVXAX	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
U2MJGQ	PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
U3J4CQ	PowerPlex® Fusion 6C (STRMix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
U4CVDB	GlobalFiler™					
	15	17,19,24	11,13	15,17	10,12	
4sp	9,10	12,13,14	14,15	20,22	8,10,12	11,13
	14,15,17	14	28,29	11,15	X,Y	11,12
	19,22			18,19,23.2	7,9.3	8,12
	14,19	11			2	
U4ETEY	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
U8DUQP	PowerPlex® Fusion 5C (Bulletproof)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
UC7XH9	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

UDQJY	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
UY2C2G	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
UYHNFF	PowerPlex® Fusion					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	NR	X,Y	11,[12]
	19,22	9,11	5,[12]		7,9.3	NR
	14,19	11				
V8MH6L	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
VBVY3	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VC4W2T	PowerPlex® (STRmix)					
	15,15	19,24		15,17	10,12	11,18
4sp	9,10	12,13		20,22	8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					
VCKEWE	PowerPlex® PP21					
	15	19,24		15,17	10,12	11,18
4sp	9,10	12,13		20,22	8,12	11,13
	15,17	14	28,29		X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19					

TABLE 2

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

Item 4sp - STR Results

VEDJZ8	GlobalFiler™ (STRmix v2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VEP6YM	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VKHFLR	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
VQAPT6	GlobalFiler™ (STRmix)					
	14,15	19,24	11,13	15,16,17	10,12	
4sp	9,10	11,12,13,14	14,15	19,20,21,22	8,12	11,12,13
	14,15,17	13,14	28,29	11,15	X,Y	11,12
	19,22			18,19,22.2,23.2	7,9.3	8,12
	14,18,19	10,11			2	
VX36CG	GlobalFiler™					
	15	19,[23],24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
VYFNAT	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
W2JPYW	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

W3QT4L	GlobalFiler™ (STRmix 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
W9287D	GlobalFiler™ (STRmix V2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WC2H2D	GlobalFiler™ (STRmix 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WC37PH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WF8RKV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WJ8ZRQ	PowerPlex® Fusion 6c (STRMix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
WMWNVB	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

WNXB2P	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
WTM2TT	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
WYCGJK	Identifiler®, Investigator® 24plex (STRmix)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
X37W9K	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
X83GJV	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
X83XFL	GlobalFiler™ (STRmix v. 2.4)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
XJGCZF	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

XKT97K	Investigator® 24plex QS					
		15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14	28,29	11,15	X,Y 11,12
		19,22			19,23.2	7,9.3 8,12
	14,19	11				
XLKCQE	GlobalFiler™ (STRmix)					
		15,15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14,14	28,29	11,15	X,Y 11,12
		19,22			19,23.2	7,9.3 8,12
	14,19	11			2	
XMD8DM	Identifiler® Plus					
			19,24		15,17	10,12
	4sp	9,10	12,13			8,12 11,13
		15,17	14,14	28,29		X,Y 11,12
		19,22				7,9.3 8,12
	14,19					
XMJ8L4	Investigator® 24plex QS (STRmix)					
		15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14	28,29	11,15	X,Y 11,12
		19,22			19,23.2	7,9.3 8,12
	14,19	11				
XVBWWD	GlobalFiler™ (STRmix)					
		15,15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14,14	28,29	11,15	X,Y 11,12
		19,22			19,23.2	7,9.3 8,12
	14,19	11			2	
XXXEAR	GlobalFiler™ (STRmix)					
		15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14	28,29	11,15	X,Y 11,12
		19,22			19,23.2	7,9.3 8,12
	14,19	11			2	
XZ34CZ	PowerPlex® Fusion 6C (STRmix)					
		15	19,24	11,13	15,17	10,12
	4sp	9,10	12,13	14,15	20,22	8,12 11,13
		15,17	14	28,29	11,15	X,Y 11,12
		19,22	9,11	5,12	19,23.2	7,9.3 8,12
	14,19	11	18	17		

TABLE 2

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

Item 4sp - STR Results

XZ7G7N	PowerPlex® Fusion 5C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
Y42LJT	PowerPlex® Fusion 6C (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
Y9Y6LR	Identifiler® Plus, PowerPlex® Fusion 6C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
YA7MH2	GlobalFiler™ (STRmix v 2.5)					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
YBXZ79	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12		7,9.3	8,12
	14,19	11				
YCP6DK	GlobalFiler™ (STRmix)					
	15,15	19,24	11,13	15,17	10,12	NT
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	NT	NT	19,23.2	7,9.3	8,12
	14,19	11	NT	NT	2	
YLLCG8	GlobalFiler™ (STRmix)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

YNMCNQ	GlobalFiler™ (STRmix™)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
YRHZPB	Identifiler® Plus					
		19,24		15,17	10,12	
4sp	9,10	12,13			8,12	11,13
	15,17	14,14	28,29		X,Y	11,12
	19,22				7,9.3	8,12
	14,19					
YX8FEH	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Z3P7PR	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
Z4TXM8	PowerPlex® Fusion 6C					
	11,15	17,19,24	11,11.3,13	15,16,17	10,11,12	
4sp	9,10	12,13,14	13,14,15	15,20,21,22	8,10,12,13	11,13
	14,15,17	14,16.2	28,29	11,15	X,Y	11,12
	19,22,23	9,10,11	5,8,10,12	18,19,23.2,25.2	7,9,9.3	8,12
	14,15,19	9,11	18,22	17,19		
Z97TCG	Investigator® 24plex QS (STRmix v2.6)					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11				
Z9DQVT	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

TABLE 2

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

Item 4sp - STR Results

ZF8C8K	GlobalFiler™					
	15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ZK48K9	PowerPlex® Fusion 5C					
	15	19,24	11,13	15,17	10,12	-
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	-	7,9.3	8,12
	14,19	11	-	-	-	
ZPZCDX	PowerPlex® Fusion 6C					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22	9,11	5,12	19,23.2	7,9.3	8,12
	14,19	11	18	17		
ZRMVEV	GlobalFiler™					
	15	19,24	11,13	15,[16],17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	
ZUTDDR	GlobalFiler™					
	15,15	19,24	11,13	15,17	10,12	
4sp	9,10	12,13	14,15	20,22	8,12	11,13
	15,17	14,14	28,29	11,15	X,Y	11,12
	19,22			19,23.2	7,9.3	8,12
	14,19	11			2	

YSTR Amplification Kit(s) & Results

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
27WBLJ	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2ADALD	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2ERAW7	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
2F8AFV	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
2KZHVM	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2VXEL4	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
2VZUPB	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
2ZBBAD	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
3APRCJ	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
3TMRPB	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
3UYNVE	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11

TABLE 3

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

Item 1 - YSTR Results

4CUJ4W	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
6BK6ZM	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
6DNPXV	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
6JUDJA	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
6NPFW6	PowerPlex® Y 23								
1	N/A	15	14,16	14	30	23	9	12	15
	14	10	11	19	N/A	14	16	N/A	24
	N/A	13	12	22	19	N/A	22	12	11
6WFXVQ	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16		
							22		11
78EHQB	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
7JQ7W9	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
7QRX87	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16		
							22		11
87F33X	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
87U7G3	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16		24
	13	12	22	19		22	12	11	

TABLE 3

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

Item 1 - YSTR Results

8HDY97	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
8J62TZ	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
8MBBCH	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
8VXTR7	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
							22		11
8ZM69Z	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
96EPUV	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
9HMD6D	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
							22		11
9HNADN	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
							22		11
9JYAC4	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
9RRUK4	PowerPlex® Y 23								
1	--	15	14,16	14	30	23	9	12	15
	14	10	11	19	--	14	16	--	24
	--	13	12	22	19	--	22	12	11
AVUN2R	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
BANH4K	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BJ79HW	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BN88Z2	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
BNP87C	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BTGA3X	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BXRNX7	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
BXWRRU	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CAJKBZ	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CFB4J6	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CXTN93	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CXUELC	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 1 - YSTR Results

CZXG32		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
D64FQC		Yfiler™								
1		15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16			
							22		11	
D8BP43		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
DDYNP6		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
DNX68Y		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
DP787R		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
DQAK2Z		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
DQP4NJ		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	
E4CQDB		PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16		24	
		13	12	22	19		22	12	11	
E8B39B		PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15	
	14	10	11	19		14	16		24	
		13	12	22	19		22	12	11	
F6EVFX		Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15	
	14	10	11	19	28	14	16	11	24	
	41	13		22	19	24	22		11	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
F7TDKN	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
F89JZD	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FANVC2	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FCHWKX	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FL9BPP	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FYMR67	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
G6TBWQ	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
G7MHEM	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
GGRCPF	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
GTXF4H	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
GV3PQT	Yfiler™								
1	N/A	15	14,16	14	30	23	9	12	15
	14	10	11	19	N/A	14	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	11

TABLE 3

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

Item 1 - YSTR Results

GZXJNU	Yfiler™ Plus									
	1	36,39	15	14,16	14	30	23	9	12	15
		14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22			11
HKJ2MX	Yfiler™ Plus									
	1	36,39	15	14,16	14	30	23	9	12	15
		14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22			11
HLDYND	Yfiler™									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
							22			11
HQPMPA	Yfiler™									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
							22			11
HQRCL	PowerPlex® Y 23									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
		13	12	22	19		22	12		11
HUNXKA	Yfiler™									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
							22			11
J7XXRM	Yfiler™ Plus									
	1	36,39	15	14,16	14	30	23	9	12	15
		14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22			11
JFNJXK	Yfiler™ Plus									
	1	36,39	15	14,16	14	30	23	9	12	15
		14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22			11
JVH74D	Yfiler™									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
							22			11
JWNQRD	Yfiler™									
	1		15	14,16	14	30	23	9	12	15
		14	10	11	19		14	16		24
							22			11
JZCP2P	Yfiler™ Plus									
	1	36,39	15	14,16	14	30	23	9	12	15
		14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22			11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
K4E8D4	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
KFK4VR	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
						22		11	
KRC6GL	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
LL8R69	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
						22		11	
LU2LJ7	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
LUJNCZ	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
LVDED9	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
MTWWGG	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
MXB7UK	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
N7JH4M	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
N8GL4P	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 1 - YSTR Results

NDLHMP	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
NR3FTQ	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
NTXZFP	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
P4BF2P	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
P89BUJ	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
P8CLGV	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
PB6AVT	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
Q4827F	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
Q7CU3Z	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
Q7XCAF	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
QJM9BD	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
QT49CF	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
QTCW92	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
						22		11	
QTR6AP	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
R2VZKT	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
R7RN2Z	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
RB3LKG	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
RP7ZUQ	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
							no result		11
RR8QVQ	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
RXG3FR	Yfiler™ YFP								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
RXVNPT	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
T2UA7X	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
						22		11	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
T4F98Y	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
T6TK4J	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TJ8M7K	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TUCWAK	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TXVXAX	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
U4CVDB	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
U8DUQP	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
UYHNFF	PowerPlex® Y 23								
1	14	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
V8MH6L	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
VBVY3	Yfiler™								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
VCKEWE	PowerPlex® Y 23								
1	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	

TABLE 3

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

Item 1 - YSTR Results

VX36CG	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
W7WM96	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
WC2H2D	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
WC37PH	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
WTM2TT	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
WYCGJK	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
X83GJV	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XJGCZF	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XKT97K	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
XMD8DM	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XZ34CZ	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11

TABLE 3

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

Item 1 - YSTR Results

YBXZ79	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
YCP6DK	Yfiler™								
1	NT	15	14,16	14	30	23	9	12	15
	14	10	11	19	NT	14	16	NT	NT
	NT	NT	NT	NT	NT	NT	22	NT	11
YLLCG8	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
YX8FEH	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
Z4TXM8	PowerPlex® Y 23								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
ZF8C8K	Yfiler™								
1		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
ZK48K9	Yfiler™ Plus								
1	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
27WBLJ	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
2ADALD	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
2ERAW7	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
2F8AFV	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
2KZHVM	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
2VXEL4	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
2VZUPB	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
2ZBBAD	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
3APRCJ	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
3TMRPB	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
3UYNVE	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
4CUJ4W	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18	22		
	12	13	18	17		23	10	11	
6BK6ZM	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
6DNPXV	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18	22		
	12	13	18	17		23	10	11	
6JUDJA	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
6NPFW6	PowerPlex® Y 23								
2	N/A	14	11,14	13	30	24	11	13	13
	15	12	12	19	N/A	16	18	N/A	22
	N/A	12	13	18	17	N/A	23	10	11
6WFXVQ	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
78EHQB	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
7JQ7W9	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
7NKKQ4	Yfiler™								
2	N/A	14	11,14	13	30	24	11	13	13
	15	12	12	19	N/A	16	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11
7QRX87	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
87F33X	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 2 - YSTR Results

87U7G3	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
8HDY97	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
8J62TZ	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
8MBBCH	PowerPlex® Y								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
8VXTR7	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
8ZM69Z	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
96EPUV	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
9HMD6D	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
9HNADN	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
9JYAC4	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
9RRUK4	PowerPlex® Y 23								
2	--	14	11,14	13	30	24	11	13	13
	15	12	12	19	--	16	18	--	22
	--	12	13	18	17	--	23	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
AVUN2R	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BANH4K	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BJ79HW	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BN88Z2	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
BNP87C	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BTGA3X	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BXRNX7	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
BXWRRU	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CAJKBZ	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CFB4J6	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CXTN93	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 2 - YSTR Results

CXUELC	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
CZXG32	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
D64FQC	Yfiler™									
	2		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		
							23			11
D8BP43	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
DDYNP6	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
DNX68Y	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
DP787R	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
DQAK2Z	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
DQP4NJ	Yfiler™ Plus									
	2	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
E4CQDB	PowerPlex® Y 23									
	2		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		22
		12	13	18	17		23	10		11
E8B39B	PowerPlex® Y 23									
	2		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		22
		12	13	18	17		23	10		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
F6EVFX	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
F89JZD	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FANVC2	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FCHWKX	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FL9BPP	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FYMR67	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
G6TBWQ	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
G7MHEM	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
GGRCPF	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
GTXF4H	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
GV3PQT	Yfiler™								
2	N/A	14	11,14	13	30	24	11	13	13
	15	12	12	19	N/A	16	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11

TABLE 3

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

Item 2 - YSTR Results

GZXJNU	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
HKJ2MX	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
HLDYND	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
HQPMPA	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
HQRCRL	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
HUNXKA	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
J7XXRM	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
JFNJXK	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
JVH74D	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
JWNQRD	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
JZCP2P	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
K4E8D4	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
KFK4VR	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
KRC6GL	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
LL8R69	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
LU2LJ7	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
LUJNCZ	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
LVDED9	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
MTWGG	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
MXB7UK	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
N7JH4M	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
N8GL4P	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 2 - YSTR Results

NDLHMP	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
NR3FTQ	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
NTXZFP	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
P4BF2P	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
P89BUJ	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
P8CLGV	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
PB6AVT	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
Q4827F	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
Q7CU3Z	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
Q7XCAF	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
QJM9BD	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 2 - YSTR Results

QT49CF	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
QTCW92	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
QTR6AP	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
R2VZKT	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
R7RN2Z	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
RB3LKG	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
RP7ZUQ	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	
RR8QVQ	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
RXG3FR	Yfiler™ YFP								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
RXVNPT	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
T2UA7X	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23		11	

TABLE 3

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

Item 2 - YSTR Results

T4F98Y	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
T6TK4J	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
TJ8M7K	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
TUCWAK	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
TXVXAX	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
U4CVDB	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
U8DUQP	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
UYHNFF	PowerPlex® Y 23								
2	13	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
V8MH6L	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
VBVY3	Yfiler™								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
VCKEWE	PowerPlex® Y 23								
2	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	

TABLE 3

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

Item 2 - YSTR Results

VX36CG	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
W7WM96	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
WC2H2D	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
WC37PH	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
WTM2TT	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
WYCGJK	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
X83GJV	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XJGCZF	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XKT97K	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
XMD8DM	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XZ34CZ	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11

TABLE 3

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

Item 2 - YSTR Results

YBXZ79	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
YCP6DK	Yfiler™								
2	NT	14	11,14	13	30	24	11	13	13
	15	12	12	19	NT	16	18	NT	NT
	NT	NT	NT	NT	NT	NT	23	NT	11
YLLCG8	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
YX8FEH	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
Z4TXM8	PowerPlex® Y 23								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
ZF8C8K	Yfiler™								
2		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
ZK48K9	Yfiler™ Plus								
2	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 3 - YSTR Results

2ADALD	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2ERAW7	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
2F8AFV	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
2KZHMV	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2VXEL4	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
2VZUPB	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
2ZBBAD	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
3APRCJ	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
3TMRPB	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
4CUJ4W	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
6BK6ZM	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3 - YSTR Results

6DNPXV	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
6JUDJA	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
6NPFW6	PowerPlex® Y 23								
3	N/A	15	14,16	14	30	23	9	12	15
	14	10	11	19	N/A	14	16	N/A	24
	N/A	13	12	22	19	N/A	22	12	11
6WFXVQ	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
78EHQB	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
7JQ7W9	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
7QRX87	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
87F33X	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
87U7G3	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	
8HDY97	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
8MBBCH	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16		24	
	13	12	22	19		22	12	11	

TABLE 3

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

Item 3 - YSTR Results

8VXTR7	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
8ZM69Z	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
96EPUV	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
9HMD6D	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
9HNADN	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
9JYAC4	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
9RRUK4	PowerPlex® Y 23								
3	--	15	14,16	14	30	23	9	12	15
	14	10	11	19	--	14	16	--	24
	--	13	12	22	19	--	22	12	11
AVUN2R	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
BANH4K	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
BJ79HW	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
BN88Z2	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3 - YSTR Results

BNP87C	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BTGA3X	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16	24		
	13	12	22	19		22	12	11	
BXRN7	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
BXWRRU	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CAJKBZ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CFB4J6	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CXTN93	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CXUELC	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
CZXG32	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
D64FQC	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22		11	
D8BP43	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3 - YSTR Results									
DDYNP6	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
DNX68Y	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
DP787R	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
DQAK2Z	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
DQP4NJ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
E4CQDB	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
E8B39B	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
F6EVFX	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FANVC2	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FCHWKX	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
FL9BPP	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3 - YSTR Results									
FYMR67	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
G6TBWQ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
G7MHEM	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
GGRCPF	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
GTXF4H	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
GV3PQT	Yfiler™								
3	N/A	15	14,16	14	30	23	9	12	15
	14	10	11	19	N/A	14	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	11
GZXJNU	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
HKJ2MX	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
HLDYND	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
HQRCRL	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
J7XXRM	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3 - YSTR Results									
JFNJXK	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
JVH74D	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
JWNQRD	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
JZCP2P	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
K4E8D4	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
KFK4VR	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
KRC6GL	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
LL8R69	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
LU2LJ7	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
LUJNCZ	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
LVDED9	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3 - YSTR Results

MTWVG	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
MXB7UK	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
N7JH4M	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
N8GL4P	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
NDLHMP	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
NR3FTQ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
P4BF2P	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
P89BUJ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
P8CLGV	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
PB6AVT	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
Q4827F	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3 - YSTR Results									
Q7CU3Z	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
Q7XCAF	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
QJM9BD	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
QT49CF	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
QTCW92	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
QTR6AP	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
R2VZKT	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
R7RN2Z	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
RB3LKG	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
RR8QVQ	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
RXG3FR	Yfiler™ YFP								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3 - YSTR Results

RXVNPT	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
T2UA7X	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
T4F98Y	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
T6TK4J	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TJ8M7K	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TUCWAK	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
TXVAX	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
U4CVDB	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
U8DUQP	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
UYHNFF	PowerPlex® Y 23								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11
V8MH6L	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11

TABLE 3

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

Item 3 - YSTR Results

VBVFY3	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
VCKEWE	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
VX36CG	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
W7WM96	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
WC2H2D	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
WC37PH	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
WTM2TT	Yfiler™								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			
						22			11
X83GJV	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XJGCZF	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XZ34CZ	PowerPlex® Y 23								
3	15	14,16	14	30	23	9	12	15	
	14	10	11	19	14	16			24
		13	12	22	19	22	12		11
YBXZ79	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3 - YSTR Results

YCP6DK	Yfiler™								
3	NT	15	14,16	14	30	23	9	12	15
	14	10	11	19	NT	14	16	NT	NT
	NT	NT	NT	NT	NT	NT	22	NT	11
YLLCG8	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
YX8FEH	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
ZF8C8K	Yfiler™								
3		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
ZK48K9	Yfiler™ Plus								
3	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11

TABLE 3

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

Item 3e - YSTR Results

27WBLJ	Yfiler™ Plus								
3e	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
7NKKQ4	Yfiler™								
3e	N/A	15	14,16	14	30	23	9	12	15
	14	10	11	19	N/A	14	16	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22	N/A	11
XKT97K	Yfiler™								
3e		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		
							22		11
XMD8DM	Yfiler™ Plus								
3e	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
Z4TXM8	PowerPlex® Y 23								
3e		15	14,16	14	30	23	9	12	15
	14	10	11	19		14	16		24
		13	12	22	19		22	12	11

TABLE 3

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

Item 3sp - YSTR Results

27WBLJ	Yfiler™ Plus								
3sp	[Redacted]								

7NKKQ4	Yfiler™								
3sp	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

XKT97K	Yfiler™								
3sp		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR		
							NR		NR

XMD8DM	Yfiler™ Plus								
3sp	[Redacted]								

Z4TXM8	PowerPlex® Y 23								
3sp	[Redacted]								

TABLE 3

WebCode	Amplification Kit									
	Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4 - YSTR Results										
2ADALD	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11
2VXEL4	PowerPlex® Y 23									
4		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19		14,16	16,18		22,24	
		12,13	12,13	18,22	17,19		22,23	10,12		11
7JQ7W9	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11
87U7G3	PowerPlex® Y 23									
4		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19		14,16	16,18		22,24	
		12,13	12,13	18,22	17,19		22,23	10,12		11
9RRUK4	PowerPlex® Y 23									
4	--	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15	
	14,[15]	10,[12]	11,[12]	19	--	14,[16]	16,[18]	--	[22],24	
	--	[12],13	12,[13]	[18],22	[17],19	--	22,[23]	[10],12		11
CZXG32	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11
EH76KQ	Yfiler™ Plus									
4	35,36	14	11,14	13	30	24	11	13	13	
	15	12	12	19	29	16	18	10	22	
	37	12		18	17	22	23			11
FCHWKX	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	24	
	37,41	12,13		22	17,19	22,24	22,23			11
N8GL4P	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11
NDLHMP	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11
P4BF2P	Yfiler™ Plus									
4	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23			11

TABLE 3

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

Item 4 - YSTR Results

WebCode	Yfiler™ Plus								
P8CLGV	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
4	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
R2VZKT	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
4	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
RXVNPT	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	15
4	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11

TABLE 3

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

Item 4e - YSTR Results

27WBLJ	Yfiler™ Plus								
4e	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
2ERAW7	PowerPlex® Y 23								
4e		15	11,14,16	13,14	30	23	9,11	12,13	13,15
	14	10,12	11,12	19		14,16	16,18		24
		12,13	12	18,22	19		22,23	12	11
2F8AFV	Yfiler™								
4e		15	14,16	13,14	30	23	9,11	12,13	13,15
	14	10,12	11	19		14,16	16,18		
							22,23		11
2KZHVM	Yfiler™ Plus								
4e	36,39	15	14,16	13,14	30	23	9	12	13,15
	14,15	10	11	19	28,29	14	16,18	10,11	22,24
	41	12,13		22	17,19	24	22		11
2VZUPB	Yfiler™								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
2ZBBAD	Yfiler™ Plus								
4e	36,39	14,15	14,16	14	30	23	9	12	13,15
	14	10,12	11	19	28	14	16,18	11	22,24
	37,41	13		18,22	17,19	22,24	22		11
3APRCJ	Yfiler™								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
3TMRPB	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
3UYNVE	Yfiler™								
4e		[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19		14,[16]	16,[18]		
							22,[23]		11
4CUJ4W	PowerPlex® Y 23								
4e		15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14	10,12	11,12	19		14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12	11
6BK6ZM	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11

TABLE 3

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

Item 4e - YSTR Results

6DNPXV	PowerPlex® Y 23								
4e	14,15	14,15	11,14,16	13,14	30	23,24	9,11	12	13,15
	14,15	10,12	11	19		14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12	11
6JUDJA	Yfiler™ Plus								
4e	36,39	15	14,16	13,14	30	23	9,11	12	15
	14	10,12	11	19	28	14,16	16,18	11	24
	37,41	13		18,22	17,19	22,24	22		11
6NPFW6	PowerPlex® Y 23								
4e	N/A	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11	19	N/A	14,16	16,18	N/A	22,24
	N/A	13	12,13	18,21,22	17,19	N/A	22,23	10,12	11
6WFXVQ	Yfiler™								
4e	14,15	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
78EHQB	Yfiler™ Plus								
4e									
7FQ6MX	Yfiler™ Plus								
4e									
7NKKQ4	Yfiler™								
4e	N/A	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	N/A	14,[16]	16,[18]	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	22,[23]	N/A	11
7QRX87	Yfiler™								
4e	14,15	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
87F33X	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
8HDY97	Yfiler™ Plus								
4e	36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
8MBBCH	PowerPlex® Y 23								
4e									

TABLE 3

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

Item 4e - YSTR Results

8VXTR7	Yfiler™								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18	22,23		11
8ZM69Z	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14	16,18	22,24		22,24
		12,13	12,13	18,22	17,19	22,23	10,12		11
96EPUV	PowerPlex® Y 23								
4e	[14],15	[11],14,16	14	30	23	9,[11]	12,[13]	15	
	14	10	11	19	14	16	24		24
	[12],13	12,[13]	[18],22	[17],19		22,[23]	12		11
9AAJRW	Yfiler™ Plus								
4e									
9HMD6D	Yfiler™								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18	22,23		11
9HNADN	Yfiler™								
4e	15	11,14,16	13,14	30	23,24	9,11	12	13,15	
	14,15	10,12	11	19	14,16	16,18	22		11
9JYAC4	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
AVUN2R	PowerPlex® Y 23								
4e	[14],15	[11],14,16	[13],14	30	23	9,[11]	12	[13],15	
	14,[15]	10,[12]	11	19	14,[16]	16,[18]	[22],24		[22],24
		13	12,[13]	[18],22	[17],19	22,[23]	[10],12		11
BANH4K	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18	22,24		22,24
		12,13	12,13	18,22	17,19	22,23	10,12		11
BJ79HW	PowerPlex® Y 23								
4e	15	11,14,16	13,14	30	23	9,11	12,13	13,15	
	14,15	10	11,12	19	14,16	16,18	22,24		22,24
		12,13	12,13	18,22	17,19	22,23	10,12		11
BN88Z2	Yfiler™ Plus								
4e	36,39	15	14,16	14	30	23	9,11	12,13	15
	14	10,12	11	19	28	14	16,18	11	22,24
	41	13		22	17,19	22,24	22		11

TABLE 3

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

Item 4e - YSTR Results

BNP87C	PowerPlex® Y 23								
4e	15	11,14,16	14	30	23,24	9,11	12,13	13,15	
	14	10	11,12	19	14,16	16,18		22,24	
	12,13	12,13	18,22	17,19		22,23	10,12	11	
BTGA3X	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18		22,24	
	12,13	12,13	18,22	17,19		22,23	10,12	11	
BXRN7	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
BXWRRU	Yfiler™ Plus								
4e	36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
CAJKBZ	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[16],[17],19	[22],24	22,[23]		11
CFB4J6	Yfiler™ Plus								
4e	35,36,39	14,15	14,16	13,14	30	23,24	9,11	12	13,15
	14	10	11,12	19	28	14,16	16,18	11	22,24
	41	12,13		18,22	17,19	22,24	22,23		11
CXTN93	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	24
	[37],41	13		[18],22	[17],19	[22],24	22,[23]		11
CXUELC	Yfiler™ Plus								
4e	35,36,39	14,15	14,16	13,14	30	23	9,11	12,13	13,15
	14	10,12	11,12	19	28	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
D64FQC	Yfiler™								
4e	15	14,16	13,14	30	23	9,11	12,13	15	
	14,15	10,12	11	19	14	16,18			
						22			11
D8BP43	Yfiler™ Plus								
4e	[35],36,39	15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
DDYNP6	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	10,11	[22],24
	[37],41	[12],13		18,22	[17],19	[22],24	22,[23]		11

TABLE 3

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

Item 4e - YSTR Results

DNX68Y	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
DQAK2Z	Yfiler™ Plus								
4e	36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
DQP4NJ	Yfiler™ Plus								
4e	[35],36,39	[14],15	14,16	[13],14	30	23	9,11	12	15
	14	10	11	19	28,[29]	14,[16]	16,[18]	11	24
	[37],41	13		22	[17],19	24	22		11
DZ8RCQ	Yfiler™ Plus								
4e									
E4CQDB	PowerPlex® Y 23								
4e									
E8B39B	PowerPlex® Y 23								
4e		[14],15	11,14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19		14,[16]	16,[18]		[22],24
		[12],13	12,[13]	[18],22	[17],19		22,[23]	[10],12	11
F6EVFX	Yfiler™ Plus								
4e	36,39	14,15	14,16	14	30	23	9,11	12	15
	14,15	10,12	11,12	19	28	14,16	16,18	10,11	22,24
	37,41	13		18,22	17,19	22,24	22		11
F7TDKN	Yfiler™ Plus								
4e									
FANVC2	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
FL9BPP	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
FYMR67	Yfiler™								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11

TABLE 3

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

Item 4e - YSTR Results

G6TBWQ	Yfiler™ Plus									
	4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23			11
G7MHEM	Yfiler™ Plus									
	4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23			11
GGRCPF	PowerPlex® Y 23									
	4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19		14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12		11
GTXF4H	PowerPlex® Y 23									
	4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19		14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12		11
GZXJNU	Yfiler™ Plus									
	4e	36,39	14,15	11,14,16	13,14	30	23,24	9	12,13	13,15
		14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	41	13		22	17,19	22,24	22,23			11
HKJ2MX	Yfiler™ Plus									
	4e	[35],36,39	15	14,16	[13],14	30	23,[24]	9	12,[13]	15
		14,[15]	10	11	19	28,[29]	14,[16]	16,[18]	11	[22],24
	41	[12],13		22	[17],19	24	22			11
HLDYND	Yfiler™									
	4e		15	14,16	13,14	30	23,24	9,11	12	13,15
		14,15	10,12	11,12	19		14,16	16,18		
							22,23			11
HQRCL	PowerPlex® Y 23									
	4e		[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12	[13],15
		14,[15]	10,[12]	11,[12]	19		14,[16]	16,[18]		[22],24
		[12],13	12,[13]	[18],22	[17],19		22,[23]	[10],12		11
J7XXRM	Yfiler™ Plus									
	4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23			11
JFNJXK	Yfiler™ Plus									
	4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
		14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]			11
JVH74D	Yfiler™									
	4e		15	14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19		14,16	16,18		
							22,23			11

TABLE 3

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

Item 4e - YSTR Results

JWNQRD	Yfiler™								
4e	15	14,16	13,14	30	23	9,11	12	13,15	
	14,15	10,12	11	19	14,16	16,18	22,23		11
JZCP2P	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
K4E8D4	PowerPlex® Y 23								
4e	15	11,14,16	14	30	23,24	9,11	12,13	15	
	14	10	11	19	14	16	22,23	12	22,24
		12,13	12,13	22	17,19				11
KFK4VR	Yfiler™								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18	22,23		11
KRC6GL	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
LL8R69	Yfiler™								
4e	15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10	11,12	19	14,16	16,18	22,23		11
LU2LJ7	Yfiler™ Plus								
4e	36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
LUJNCZ	PowerPlex® Y 23								
4e									
LVDED9	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
MTWGG	Yfiler™ Plus								
4e	[35],36,39	[14],15	14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
MXB7UK	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18	22,23	10,12	22,24
		12,13	12,13	18,22	17,19				11

TABLE 3

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

Item 4e - YSTR Results

N7JH4M	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
NLVTWG	Yfiler™ Plus								
4e									
NR3FTQ	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11	19	28,[29]	14	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
P89BUJ	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
PB6AVT	Yfiler™ Plus								
4e	36,39	15	[11],14,16	14	30	23,[24]	9,[11]	12	[13],15
	14,[15]	10,[12]	11,[12]	19	28	14,[16]	16,[18]	11	[22],24
	[37],41	13		[18],22	[17],19	[22],24	22,[23]		11
PVZZCG	Yfiler™ Plus								
4e									
PZRBLE	Yfiler™ Plus								
4e									
Q4827F	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
Q7CU3Z	Yfiler™								
4e		15	14,16	13,14	30	23,24	9,11	12	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
Q7XCAF	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
QJM9BD	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results									
QT49CF	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12	13,15	
	14,15	10,12	11,12	19	14	16,18		22,24	
		12,13	12,13	18,22	17,19	22,23	10,12	11	
QTCW92	Yfiler™								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18		22,23	11
QTR6AP	Yfiler™ Plus								
4e	36,39	15	11,14,16	14	30	23	9,11	12	13,15
	14	10,12	11	19	28	14,16	16,18	11	22,24
	37,41	13		18,22	17,19	22,24	22		11
R7RN2Z	PowerPlex® Y 23								
4e	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15	
	14,[15]	10,[12]	11,[12]	19	14,[16]	16,[18]		[22],24	
		[12],13	12,[13]	[18],22	[17],19	22,[23]	[10],12	11	
RB3LKG	PowerPlex® Y 23								
4e	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14	16,18		22,24	
		12,13	12,13	18,22	17,19	22,23	10,12	11	
RP7ZUQ	Yfiler™								
4e	14,15	11,14,16	14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18		22,23	11
RR8QVQ	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
RXG3FR	Yfiler™ YFP								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23	9,[11]	12	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	41	13		[18],22	[17],19	[22],24	22,[23]		11
T2UA7X	Yfiler™								
4e	15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	14,16	16,18		22	11
T4F98Y	PowerPlex® Y 23								
4e	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15	
	14,[15]	10,[12]	11,[-]	19	14,[-]	16,[18]		[22],24	
		[12],13	12,[13]	[18],22	[17],19	22,[23]	[10],12	11	
T6TK4J	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11

TABLE 3

WebCode	Amplification Kit									
	Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4e - YSTR Results										
TJ8M7K	Yfiler™ Plus									
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	15	
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23		11	
TUCWAK	Yfiler™ Plus									
4e	36,39	14,15	11,14,16	13,14	30	23	9,11	12	13,15	
	14,15	10,12	11,12	19	28	14	16,18	11	22,24	
	37,41	12,13		18,22	17,19	22,24	22		11	
TXVXAX	Yfiler™									
4e		15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19		14,16	16,18			
							22,23		11	
U4CVDB	Yfiler™ Plus									
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19	28	14	16,18	10,11	22,24	
	37,41	12,13		18,22	17,19	22,24	22,23		11	
U8DUQP	PowerPlex® Y 23									
4e		15	14,16	13,14	30	23	9	12	[13],15	
	14	10	11	19		14	16		24	
		13	12,13	[18],22	19		22,23	12	11	
UYHNFF	PowerPlex® Y 23									
4e		15	[11],14,16	[13],14	30	23	9,[11]	12,[13]	15	
	14	10,[12]	11	19		14,[16]	16,[18]		[22],24	
		[12],13	12	[18],22	[17],19		22	12	11	
V8MH6L	Yfiler™									
4e										
VBVY3	Yfiler™									
4e		15	11,14,16	14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19		14,16	16,18			
							22,23		11	
VCKEWE	PowerPlex® Y 23									
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15	
	14,15	10,12	11,12	19		14,16	16,18		22,24	
		12,13	12,13	18,22	17,19		22,23	10,12	11	
VX36CG	Yfiler™ Plus									
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15	
	14,[15]	10,[12]	11,[12]	19	28,[29]	14	16,[18]	[10],11	[22],24	
	[37],41	[12],13		22	[17],19	[22],24	22,[23]		11	
W7WM96	PowerPlex® Y 23									
4e		[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15	
	14	10,[12]	11,[12]	19		14,[16]	16,[18]		[22],24	
		[12],13	12,[13]	[18],22	[17],19		22	[10],12	11	

TABLE 3

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

Item 4e - YSTR Results

WC2H2D	Yfiler™ Plus								
4e	36,39	15	11,14,16	13,14	30	23,24	9,11	12	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	11	22,24
	37,41	13		18,22	17,19	22,24	22,23		11
WC37PH	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
WTM2TT	Yfiler™								
4e		15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
WYCGJK	Yfiler™								
4e		[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19		14,[16]	16,[18]		
							22,[23]		11
X83GJV	Yfiler™ Plus								
4e	36,39	15	(11),14,16	(13),14	30	23,(24)	9,(11)	12,(13)	(13),15
	14	10,(12)	11,(12)	19	28	14,(16)	16,(18)	(10),11	(22),24
	41	13		(18),22	(17),19	(22),24	22,(23)		11
XJGCZF	Yfiler™ Plus								
4e	[35],36,39	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	28,[29]	14,[16]	16,[18]	[10],11	[22],24
	[37],41	[12],13		[18],22	[17],19	[22],24	22,[23]		11
XKT97K	Yfiler™								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19		14,16	16,18		
							22,23		11
XMD8DM	Yfiler™ Plus								
4e	36,39	15	14,16	14	30	23	9	12	15
	14	10	11	19	28	14	16	11	24
	41	13		22	19	24	22		11
XZ34CZ	PowerPlex® Y 23								
4e		14,15	11,14,16	13,14	30	23,24	9	12	13,15
	14,15	10,12	11	19		14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12	11
YBXZ79	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
YCP6DK	Yfiler™								
4e	NT	[14],15	[11],14,16	[13],14	30	23,[24]	9,[11]	12,[13]	[13],15
	14,[15]	10,[12]	11,[12]	19	NT	14,[16]	16,[18]	NT	NT
	NT	NT	NT	NT	NT	NT	22,[23]	NT	11

TABLE 3

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

Item 4e - YSTR Results

YLLCG8	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
YX8FEH	Yfiler™ Plus								
4e	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
Z4TXM8	PowerPlex® Y 23								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19	14,16	16,18		22,24
		12,13	12,13	18,22	17,19		22,23	10,12	11
ZF8C8K	Yfiler™								
4e		14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
		14,15	10,12	11,12	19	14,16	16,18		
							22,23		11
ZK48K9	Yfiler™ Plus								
4e	36,39	15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11

TABLE 3

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

Item 4sp - YSTR Results

27WBLJ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
2ERAW7	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
2F8AFV	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
2KZHVM	Yfiler™ Plus								
4sp	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
2VZUPB	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
2ZBBAD	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
3APRCJ	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
3TMRPB	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
3UYNVE	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
4CUJ4W	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
6BK6ZM	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
6DNPXV	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18	22		
	12	13	18	17	23	10	11		
6JUDJA	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23	11		
6NPFW6	PowerPlex® Y 23								
4sp	N/A	14	11,14	13	30	24	11	13	13
	15	12	12	19	N/A	16	18	N/A	22
	N/A	12	13	18	17	N/A	23	10	11
6WFXVQ	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23	11		
78EHQB	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23	11		
7FQ6MX	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23	11		
7NKKQ4	Yfiler™								
4sp	N/A	14	11,14	13	30	24	11	13	13
	15	12	12	19	N/A	16	18	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11
7QRX87	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23	11		
87F33X	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23	11		
8HDY97	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23	11		
8MBBCH	PowerPlex® Y 23								
4sp	14,[15]	11,14,16	13,[14]	30	[23],24	[9],11	[12],13	13,[15]	
	[14],15	[10],12	[11],12	19	[14],16	[16],18		22,[24]	
	12,[13]	[12],13	18,[22]	17,[19]		[22],23	10,[12]	11	

TABLE 3

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

Item 4sp - YSTR Results

8VXTR7	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
8ZM69Z	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
96EPUV	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
9AAJRW	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
9HMD6D	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
9HNADN	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
9JYAC4	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
AVUN2R	PowerPlex® Y 23								
4sp	14	11,14,[16]	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
BANH4K	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
BJ79HW	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
BN88Z2	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

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

Item 4sp - YSTR Results

BNP87C	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BTGA3X	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
BXRN7	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
BXWRRU	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CAJKBZ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CFB4J6	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CXTN93	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
CXUELC	Yfiler™ Plus								
4sp	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
D64FQC	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
D8BP43	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
DDYNP6	Yfiler™ Plus								
4sp	35,36	14	11,14	13,[14]	30	24	11	13	13
	[14],15	12	12	19	29	[14],16	[16],18	10	22
	37	12		18,[22]	17,[19]	22,[24]	23		11

TABLE 3

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

Item 4sp - YSTR Results

DNX68Y	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
DQAK2Z	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
DQP4NJ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22,[24]
	37	12		18	17	22	23		11
DZ8RCQ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
E4CQDB	PowerPlex® Y 23								
4sp		14,[15]	11,14,16	13	30	[23],24	[9],11	13	13,[15]
	[14],15	[10],12	[11],12	19		[14],16	[16],18		22,[24]
		12,[13]	[12],13	18,[22]	17,[19]		[22],23	10	11
E8B39B	PowerPlex® Y 23								
4sp									
F6EVFX	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
F7TDKN	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FANVC2	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FL9BPP	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
FYMR67	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11

TABLE 3

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

Item 4sp - YSTR Results

G6TBWQ	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
G7MHEM	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
GGRCPF	PowerPlex® Y 23									
	4sp		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		22
		12	13	18	17		23	10		11
GTXF4H	PowerPlex® Y 23									
	4sp		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		22
		12	13	18	17		23	10		11
GZXJNU	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
HKJ2MX	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
HLDYND	Yfiler™									
	4sp		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		
							23			11
HQRCL	PowerPlex® Y 23									
	4sp		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		22
		12	13	18,[22]	17		23	10		11
J7XXRM	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
JFNJXK	Yfiler™ Plus									
	4sp	35,36	14	11,14	13	30	24	11	13	13
		15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23			11
JVH74D	Yfiler™									
	4sp		14	11,14	13	30	24	11	13	13
		15	12	12	19		16	18		
							23			11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
JWNQRD	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
JZCP2P	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
K4E8D4	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11
KFK4VR	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
KRC6GL	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	11,12	19	29	16	18	10	22
	37	12		18	17,19	22	23		11
LL8R69	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			
						23			11
LU2LJ7	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
LUJNCZ	PowerPlex® Y 23								
4sp	14	11,14,16	13,[14]	30	[23],24	[9],11	13	13,[15]	
	[14],15	[10],12	[11],12	19	[14],16	18		22,[24]	
		12	13	18,[22]	17,[19]	23	10,[12]		11
LVDED9	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
MTWGG	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
MXB7UK	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18			22
		12	13	18	17	23	10		11

TABLE 3

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

Item 4sp - YSTR Results

N7JH4M	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
NLVTWG	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
NR3FTQ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
P89BUJ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
PB6AVT	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
PVZZCG	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
PZRBLE	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
Q4827F	Yfiler™ Plus								
4sp	35,36,39	14,15	11,14	13,14	30	24	9,11	12,13	13,15
	15	12	11,12	19	28,29	16	16,18	10	22,24
	37	12,13		18	17,19	22,24	23		11
Q7CU3Z	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
Q7XCAF	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
QJM9BD	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
QT49CF	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
QTCW92	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
						23		11	
QTR6AP	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23		11	
R7RN2Z	PowerPlex® Y 23								
4sp	14,[15]	11,14,[-]	13,[-]	30	24,[-]	11,[-]	13,[-]	13,[15]	
	15,[-]	12,[-]	12,[-]	19	[14],16	[16],18		22,[24]	
	12,[13]	13,[-]	18,[22]	17,[19]		23,[-]	10,[-]	11	
RB3LKG	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
RP7ZUQ	Yfiler™								
4sp	not done	not done	not done	not done	not done	not done	not done	not done	not done
	not done	not done	not done	not done	not done	not done	not done		
						not done		not done	
RR8QVQ	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23		11	
RXG3FR	Yfiler™ YFP								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23		11	
T2UA7X	Yfiler™								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
						23		11	
T4F98Y	PowerPlex® Y 23								
4sp	14	11,14	13	30	24	11	13	13	
	15	12	12	19	16	18		22	
	12	13	18	17		23	10	11	
T6TK4J	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12	18	17	22	23		11	

TABLE 3

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

Item 4sp - YSTR Results

TJ8M7K	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
TUCWAK	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
TXVAX	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
U4CVDB	Yfiler™ Plus								
4sp	35,36,39	14,15	11,14,16	13,14	30	23,24	9,11	12,13	13,15
	14,15	10,12	11,12	19	28,29	14,16	16,18	10,11	22,24
	37,41	12,13		18,22	17,19	22,24	22,23		11
U8DUQP	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	11,12	19		16	18		22
		12	13	18	17		23	10	11
UYHNFF	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
V8MH6L	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
VBVY3	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
VCKEWE	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
VX36CG	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
W7WM96	PowerPlex® Y 23								
4sp		14	11,14,[16]	13	30	24	11	13	13,[15]
	15	12	12	19		16	[16],18		22
		12	13	18,[22]	17		23	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
WC2H2D	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
WC37PH	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	[10],12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
WTM2TT	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
WYCGJK	Yfiler™								
4sp									
X83GJV	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XJGCZF	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XKT97K	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
XMD8DM	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
XZ34CZ	PowerPlex® Y 23								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		22
		12	13	18	17		23	10	11
YBXZ79	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
YCP6DK	Yfiler™								
4sp	NT	14	11,14	13	30	24	11	13	13
	15	12	12	19	NT	16	18	NT	NT
	NT	NT	NT	NT	NT	NT	23	NT	11

TABLE 3

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

Item 4sp - YSTR Results

YLLCG8	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
YX8FEH	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11
Z4TXM8	PowerPlex® Y 23								
4sp		14	11,14,16	13	30	24	9,11	13	13
	14,15	10,12	11,12	19		14,16	16,18		22,24
		12,13	12,13	18	17,19		23	10	11
ZF8C8K	Yfiler™								
4sp		14	11,14	13	30	24	11	13	13
	15	12	12	19		16	18		
							23		11
ZK48K9	Yfiler™ Plus								
4sp	35,36	14	11,14	13	30	24	11	13	13
	15	12	12	19	29	16	18	10	22
	37	12		18	17	22	23		11

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
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No additional DNA results were reported.

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
22PKJD	Yes	Yes	No	Yes	3DGG7X	Yes	Yes	No	Yes
27WBLJ	Yes	Yes	No	Yes	3EU92Z	Yes	Yes	No	Yes
2ADALD	Yes	Yes	No	Yes	3PBCAE	Yes	Yes	No	Yes
2DUXF6	Yes	Yes	No	Yes	3RCA76	Yes	Yes	No	Yes
2ERAW7	Yes	Yes	No	Yes	3RVTCC	Yes	Yes	No	Yes
2F8AFV	Yes	Yes	No	Yes	3TMRPB	Yes	Yes	No	Yes
2FR2GT	Yes	Yes	No	Yes	3UYNVE	Yes	Yes	No	Yes
2KZHVM	Yes	Yes	No	Yes	4B4H3E	Yes	Yes	No	Yes
2UKZZF	Yes	Yes	No	Yes	4CUJ4W	Yes	Yes	No	Yes
2VXEL4	Yes	Yes	No	Yes	4FHYNQ	Yes	Yes	No	Yes
2VZUPB	Yes	Yes	No	Yes	4GCRHN	Yes	Yes	No	Yes
2ZBBAD	Yes	Yes	No	Yes	4QW8XB	Yes	Yes	No	Yes
33ZRCY	Yes	Yes	No	Yes	4RAVHB	No Interp	No Interp	No Interp	No Interp
37CQER	Yes	Yes	No	Yes	4UXZJV	Yes	Yes	No	Yes
38NNLG	Yes	Yes	No	Yes	4VUHKW	Yes	Yes	No	Yes
38PKUR	Yes	Yes	No	Yes	4YA2DD	Yes	Yes	No	Yes
39JAF9	Yes	Yes	No	Yes	4YMT2N	Yes	Yes	No	Yes
39PATV	Yes	Yes	No	Yes	642TWU	Yes	Yes	No	Yes
3AGDDP	Yes	Yes	No	Yes	6BK6ZM	Yes	Yes	No	Yes
3APRCJ	Yes	Yes	No	Yes	6DNPXV	Yes	Yes	No	Yes
3CHKB9	Yes	Yes	No	Yes	6HYTWB	No Interp	No Interp	No Interp	No Interp

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
6JUDJA	Yes	Yes	No	Yes	8J62TZ	Yes	Yes	No	Yes
6KQUXR	Yes	Yes	No	Yes	8LBP76	Yes	Yes	No	Yes
6N96WG	Yes	Yes	No	Yes	8LE3ZR	Yes	Yes	No	Yes
6NPFW6	Yes	Yes	No	Yes	8MBBCH	Yes	Yes	No	Yes
6WFXVQ	Yes	Yes	No	Yes	8N3GMG	Yes	Yes	No	Yes
6WJ7FW	Yes	Yes	No	Yes	8QZ268	Yes	Yes	No	Yes
76R3RG	Yes	Yes	No	Yes	8VXTR7	Yes	Yes	No	Yes
77XUBH	Yes	Yes	No	Yes	8ZM69Z	Yes	Yes	No	Yes
78EHQB	Yes	Yes	No	Yes	92KGZM	Yes	Yes	No	Yes
7FQ6MX	Yes	Yes	No	Yes	96EPUV	Yes	Yes	No	Yes
7HVFZ2	Yes	Yes	No	Yes	9AAJRW	Yes	Yes	No	Yes
7JQ7W9	Yes	Yes	No	Yes	9HMD6D	Yes	Yes	No	Yes
7LH4QT	Yes	Yes	No	Yes	9HNADN	Yes	Yes	No	Yes
7NKKQ4	Yes	Yes	No	Yes	9JYAC4	Yes	Yes	No	Yes
7QRX87	Yes	Yes	No	Yes	9QJ8ZQ	Yes	Yes	No	Yes
7Z9QC6	Yes	Yes	No	Yes	9RRUK4	Yes	Yes	No	Yes
8263QR	Yes	Yes	No	Yes	9TBAZD	Yes	Yes	No	Yes
87F33X	Yes	Yes	No	Yes	9UFUWZ	Yes	Yes	No	Yes
87U7G3	Yes	Yes	No	Yes	9VR7G3	Yes	Yes		Yes
896283	Yes	Yes	No	Yes	9YGN7N	Yes	Yes	No	Yes
8BF6CT	Yes	Yes	No	Yes	9ZLPFZ	Yes	Yes	No	Yes
8D27YR	Yes	Yes	No	Yes	ADVEHV	Yes	Yes	No	Yes
8HDY97	Yes	Yes	No	Yes	AGA7AN	Yes	Yes	No	Yes

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
AH7FCE	Yes	Yes	No	Yes	CAJKBZ	Yes	Yes	No	Yes
ATPYJ	Yes	Yes	No	Yes	CFB4J6	No Interp	No Interp	No Interp	No Interp
AVUN2R	Yes	Yes	No	Yes	CGKW9J	Yes	Yes	No	Yes
BANH4K	Yes	Yes	No	Yes	CJPYY3	Yes	Yes	No	Yes
BDMFD6	Yes	Yes	No	Yes	CXTN93	Yes	Yes	No	Yes
BED7FH	Yes	Yes	No	Yes	CXUELC	Yes	Yes	No	Yes
BEL296	No Interp	No Interp	No Interp	No Interp	CZXG32	Yes	Yes	No	Yes
BFFRDJ	Yes	Yes	No	Yes	D27N8F	Yes	Yes	No	Yes
BJ79HW	Yes	Yes	No	Yes	D64FQC	Yes	Yes	No	Yes
BN88Z2	Yes	Yes	No	Yes	D8BP43	Yes	Yes	No	Yes
BN8H7Z	Yes	Yes	No	Yes	DDGB7E	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BNP87C	Yes	Yes	No	Yes	DDYNP6	Yes	Yes	No	Yes
BR4X38	Yes	Yes	No	Yes	DHTDUV	Yes	Yes	No	Yes
BT4K9K	Yes	Yes	No	Yes	DNX68Y	Yes	Yes	No	Yes
BTGA3X	Yes	Yes	No	Yes	DP787R	Yes	Yes	No	Yes
BW4V6K	Yes	Yes	No	Yes	DQAK2Z	Yes	Yes	No	Yes
BWUBZN	Yes	Yes	No	Yes	DQP4NJ	Yes	Yes	No	Yes
BXCRB6	Yes	Yes	No	Yes	DVZ4UH	Yes	Yes	No	Yes
BXRNX7	Yes	Yes	No	Yes	DZ8RCQ	Yes	Yes	No	Yes
BXWRRU	Yes	Yes	No	Yes	DZRD6F	Yes	Yes	No	Yes
BYZ6QY	Yes	Yes	No	Yes	E3UNKG	Yes	Yes	No	Yes
C8AGE4	Yes	Yes	No	Yes	E4CQDB	Yes	Yes	No	Yes
C9Q7TW	Yes	Yes	No	Yes	E7DNVQ	Yes	Yes	No	Yes

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
E8B39B	Yes	Yes	No	Yes	FYMR67	Yes	Yes	No	Yes
EBQWBW	Yes	Yes	No	Yes	G6TBWQ	Yes	Yes	No	Yes
EH76KQ	Yes	Yes	No	Yes	G6TNMK	Yes	Yes	No	Yes
EHK9YV	Yes	Yes	No	Yes	G7MHEM	Yes	Yes	No	Yes
EPQ8NM	Yes	Yes	No	Yes	GA9LAU	No Interpretations Reported, DNA Analyzed for Database purposes only.			
EX2QPX	Yes	Yes	No	Yes	GBKTKV	Yes	Yes	No	Yes
F3L9FE	Yes	Yes	No	Yes	GGRCPF	Yes	Yes	No	Yes
F4KC84	Yes	Yes	No	Yes	GHVCGZ	Yes	Yes	No	Yes
F6EVFX	Yes	Yes	No	Yes	GJWYMD	Yes	Yes	No	Yes
F7TDKN	Yes	Yes	No	Yes	GKMDHG	Yes	Yes	No	Yes
F89JZD	No Interpretations Reported, DNA Analyzed for Database purposes only.				GR6L9Y	Yes	Yes	No	Yes
FANVC2	Yes	Yes	No	Yes	GTXF4H	Yes	Yes	No	Yes
FCHWKX	Yes	Yes	No	Yes	GV3PQT	Yes	Yes	No	Yes
FDKEEZ	Yes	No	No	Yes	GXC4NE	Yes	Yes	No	Yes
FDUGKU	Yes	Yes	No	Yes	GZXJNU	Yes	Yes	No	Yes
FFF9LP	Yes	Yes	No	Yes	HK4UBP	Yes	Yes	No	Yes
FFVNMJ	Yes	Yes	No	Yes	HKJ2MX	Yes	Yes	No	Yes
FHNHLA	Yes	Yes	No	Yes	HLDYND	Yes	Yes	No	Yes
FKRBF8	Yes	Yes	No	Yes	HQPMPA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FL9BPP	Yes	Yes	No	Yes	HQRCRL	Yes	Yes	No	Yes
FLM3FK	Yes	Yes	No	Yes	HUNXKA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
FM26PE	Yes	Yes	No	Yes	HX9XQH	Yes	Yes	No	Yes
FT8Z9E	Yes	Yes	No	Yes	J4NKVY	Yes	Yes	No	Yes

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
J7XXRM	Yes	Yes	No	Yes	KRC6GL	Yes	Yes	No	Yes
JDY82Z	Yes	Yes	No	Yes	KU46R4	Yes	Yes	No	Yes
JFNJXK	Yes	Yes	No	Yes	KVT2TV	Yes	Yes	No	Yes
JG224C	Yes	Yes	No	Yes	LBHUAA	Yes	Yes	No	Yes
JPTNQ2	Yes	Yes	No	Yes	LCVJGR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JRGZML	Yes	Yes	No	Yes	LFZ3LF	Yes	Yes	No	Yes
JRY687	Yes	Yes	No	Yes	LHZTUV	Yes	Yes	No	Yes
JVH74D	Yes	Yes	No	Yes	LL8R69	Yes	Yes	No	Yes
JWNQRD	Yes	Yes	No	Yes	LLKEAG	Yes	Yes	No	Yes
JZCP2P	Yes	Yes	No	Yes	LU2LJ7	Yes	Yes	No	Yes
K3Y8TE	Yes	Yes	No	Yes	LUJNCZ	Yes	Yes	No	Yes
K4E8D4	Yes	Yes	No	Yes	LVDED9	Yes	Yes	No	Yes
K7YDA7	Yes	Yes	No	Yes	M37ZRL	Yes	Yes	No	Yes
K8P98M	Yes	Yes	No	Yes	MA82MT	Yes	Yes	No	Yes
KB9GC2	Yes	Yes	No	Yes	MD7NNP	Yes	Yes	No	Yes
KDFU3F	Yes	Yes	No	Yes	MEGTYR	Yes	Yes	No	Yes
KFK4VR	Yes	Yes	No	Yes	MK4FWJ	Yes	Yes	No	Yes
KGUHA7	Yes	Yes	No	Yes	MQ8JJW	Yes	Yes	No	Yes
KKEBMT	Yes	Yes	No	Yes	MQURRE	Yes	Yes	No	Yes
KKXZ28	Yes	Yes	No	Yes	MTWVGG	Yes	Yes	No	Yes
KPA3VQ	Yes	Yes	No	Yes	MWV7CG	Yes	Yes	No	Yes
KRBRQR	Yes	Yes	No	Yes	MXB7UK	Yes	Yes	No	Yes
KRC3RG	Yes	Yes	No	Yes	MXD6YE	Yes	Yes	No	Yes

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
MXU397	Yes	Yes	No	Yes	PVZZCG	Yes	Yes	No	Yes
N7JH4M	Yes	Yes	No	Yes	PWTWXP	Yes	Yes	No	Yes
N8GL4P	Yes	Yes	No	Yes	PZRBLE	Yes	Yes	No	Yes
NBB2CP	Yes	Yes	No	Yes	Q4827F	Yes	Yes	No	Yes
NCK7NT	Yes	Yes	No	Yes	Q7CU3Z	Yes	Yes	No	Yes
NDLHMP	Yes	Yes	No	Yes	Q7XCAF	Yes	Yes	No	Yes
NGJQ7E	Yes	Yes	No	Yes	Q8QENH	Yes	Yes	No	Yes
NLVTWG	Yes	Yes	No	Yes	Q9LQW6	Yes	Yes	No	Yes
NPXWLH	Yes	Yes	No	Yes	QCEBHR	Yes	Yes	No	Yes
NR24TU	Yes	Yes	No	Yes	QDWY4Z	Yes	Yes	No	Yes
NR3FTQ	Yes	Yes	No	Yes	QJM9BD	Yes	Yes	No	Yes
NTXZFP	No Interpretations Reported, DNA Analyzed for Database purposes only.				QKQRPR	Yes	Yes	No	Yes
NU8VFW	Yes	Yes	No	Yes	QPQD4X	Yes	Yes	No	Yes
NWGTVY	Yes	Yes	No	Yes	QT49CF	Yes	Yes	No	Yes
NY4G8Y	Yes	Yes	No	Yes	QTCW92	Yes	Yes	No	Yes
NYKLT4	Yes	Yes	No	Yes	QTQL88	Yes	Yes	No	Yes
NZY98C	Yes	Yes	No	Yes	QTR6AP	Yes	Yes	No	Yes
P4BF2P	Yes	Yes	No	Yes	R2EQNL	Yes	Yes	No	Yes
P89BUJ	Yes	Yes	No	Yes	R2VZKT	Yes	Yes	No	Yes
P8CLGV	Yes	Yes	No	Yes	R7RN2Z	Yes	Yes	No	Yes
PB6AVT	Yes	Yes	No	Yes	R9XY8C	Yes	Yes	No	Yes
PGKTLB	Yes	Yes	No	Yes	RB3LKG	Yes	Yes	No	Yes
PM4XXQ	Yes	Yes	No	Yes	RBFQ4R	Yes	Yes	No	Yes

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
REKUY8	Yes	Yes	No	Yes	U3J4CQ	Yes	Yes	No	Yes
REQ4XZ	Yes	Yes	No	Yes	U4CVDB	Yes	Yes	No	Yes
RHLRJ9	Yes	Yes	No	Yes	U4ETEY	Yes	Yes	No	Yes
RLZM3Q	Yes	Yes	No	Yes	U8DUQP	Yes	Yes	No	Yes
RP7ZUQ	Yes	Yes	No	Yes	UC7XH9	Yes	Yes	No	Yes
RPYXZC	Yes	Yes	No	Yes	UDQJJY	Yes	Yes	No	Yes
RQULE2	Yes	Yes	No	Yes	UY2C2G	Yes	Yes	No	Yes
RR8QVQ	Yes	Yes	No	Yes	UYHNFF	Yes	Yes	No	Yes
RRCDP7	Yes	Yes	No	Yes	V8MH6L	Yes	Yes	No	Yes
RXG3FR	Yes	Yes	No	Yes	VBVY3	Yes	Yes	No	Yes
RXVNPT	Yes	Yes	No	Yes	VC4W2T	Yes	Yes	No	Yes
RYB43U	Yes	Yes	No	Yes	VCKEWE	Yes	Yes	No	Yes
RYUM92	Yes	Yes	No	Yes	VEDJZ8	Yes	Yes	No	Yes
T2UA7X	Yes	Yes	No	Yes	VEP6YM	Yes	Yes	No	Yes
T4F98Y	Yes	Yes	No	Yes	VKHFLR	Yes	Yes	No	Yes
T6BRAZ	Yes	Yes	No	Yes	VQAPT6	Yes	Yes	No	Yes
T6DAHX	Yes	Yes	No	Yes	VX36CG	Yes	Yes	No	Yes
T6TK4J	Yes	Yes	No	Yes	VYFNAT	Yes	Yes	No	Yes
TJ8M7K	Yes	Yes	No	Yes	W2JPYW	Yes	Yes	No	Yes
TJRUKX	No Interpretations Reported, DNA Analyzed for Database purposes only.				W3QT4L	Yes	Yes	No	Yes
TUCWAK	Yes	Yes	No	Yes	W7WM96	Yes	Yes	No	Yes
TXVXAX	Yes	Yes	No	Yes	W9287D	Yes	Yes	No	Yes
U2MJGQ	Yes	Yes	No	Yes	WC2H2D	Yes	Yes	No	Yes

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
WC37PH	Yes	Yes	No	Yes	YA7MH2	Yes	Yes	No	Yes
WF8RKV	Yes	Yes	No	Yes	YBXZ79	Yes	Yes	No	Yes
WJ8ZRQ	Yes	Yes	No	Yes	YCP6DK	Yes	Yes	No	Yes
WMWNVB	Yes	Yes	No	Yes	YLLCG8	Yes	Yes	No	Yes
WNXB2P	Yes	Yes	No	Yes	YNMCNQ	Yes	Yes	No	Yes
WTM2TT	Yes	Yes	No	Yes	YRHZPB	Yes	Yes	No	Yes
WX3C7W	No Interpretations Reported, DNA Analyzed for Database purposes only.				YX8FEH	Yes	Yes	No	Yes
WYCGJK	Yes	Yes	No	Yes	Z3P7PR	Yes	Yes	No	Yes
X37W9K	Yes	Yes	No	Yes	Z4TXM8	Yes	Yes	No	Yes
X83GJV	Yes	Yes	No	Yes	Z97TCG	Yes	Yes	No	Yes
X83XFL	Yes	Yes	No	Yes	Z9DQVT	Yes	Yes	No	Yes
XJGCZF	Yes	Yes	No	Yes	ZF8C8K	Yes	Yes	No	Yes
XKT97K	Yes	Yes	No	Yes	ZK48K9	Yes	Yes	No	Yes
XLKCQE	Yes	Yes	No	Yes	ZPZCDX	Yes	Yes	No	Yes
XMD8DM	Yes	Yes	No	Yes	ZRMVEV	Yes	Yes	No	Yes
XMJ8L4	Yes	Yes	No	Yes	ZUTDDR	Yes	Yes	No	Yes
XVBWWD	Yes	Yes	No	Yes					
XXEAR	Yes	Yes	No	Yes					
XZ34CZ	Yes	Yes	No	Yes					
XZ7G7N	Yes	Yes	No	Yes					
Y42LJT	Yes	Yes	No	Yes					
Y9WMDU	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Y9Y6LR	Yes	Yes	No	Yes					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 357			
<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 & 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	343	342	0	343
No	0	1	342	0
Inc	0	0	0	0
No Interpretation	4	4	4	4
No Response	0	0	1	0

Participants analyzing DNA for database purposes only: 10

Additional Comments

TABLE 6

WebCode	Additional Comments
27WBLJ	NOTE: For item 3, SP fraction consumed during autosomal DNA analysis (with Identifier Plus) resulting in NO DNA left to process with YFiler Plus. This is why the YFiler Plus results are blank for item 3 sp.
2ADALD	Part III [Table 5]: DNA INTERPRETATION: Item 3. Hypothesis: ITEM 1 / 1 Unknown LR = 2,55 x 10E27, Dropout 0.0. Item 2 is not considered as a possible contributors to Item 3. Item 4. Hypothesis: ITEM 1 + ITEM 2 / 2 Unknown LR = 1,19 x 10E36, Dropout 0.0. Program for statistical analysis: LRMix Studio version 2.1.3 - Community Edition. Baza GLOBAL/baza_LRMix_Studio_03.02.2020[1].txt.
2TR6HD	Y- Screening conducted only. DNA Analysis was not performed. Male DNA was indicated on Items 3 and 4.
2UKZZF	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
2VZUPB	Extraction: In-situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. Quantification: DNA quantification for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification Kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Amplification of STR (Short Tandem Repeat) genetic loci for Item 1 and Item 2 were carried out using the AmpFISTR Identifier Direct Amplification Kit and Item 3 and Item 4 were amplified using AmpFISTR Identifier Plus PCR Amplification Kit. Amplification of Y-STR (Y-Short Tandem Repeat) genetic loci Item 1, Item 2, Item 3 and Item 4 were carried out using the AmpFISTR Y-filer PCR Amplification Kit. Electrophoresis: Capillary electrophoresis for Item 1, Item 2, Item 3 and Item 4 were carried using the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software. Quality Control: Reagent blank, positive control, and negative control were carried out throughout the analysis and all gave intended result.
33ZRCY	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
38NNLG	# - indicates subtraction performed per SOP
39JAF9	reporting results with stutter filters on
3APRCJ	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. 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 Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
3CHKB9	reporting results with stutter filters on
3DGG7X	Y-screen results were used to determine if a differential extraction was performed. Item 3 sperm fraction was partial but determined to be okay by data interpretation analyst.

TABLE 6

WebCode	Additional Comments
3EU9ZZ	Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used, however, to calculate a likelihood ratio for the following: Item 3- 1s_U. Item 4f1- 1s2s_1sU. Item 4f2 -2s_U. F1 = fraction 1. F2 = fraction 2. PowerPlex Y23 sample processing was conducted on the following items: Item 1, Item 2, Item 3, Item 4f1 and Item 4f2. YSTR analysis and interpretation was not conducted.
3TMRPB	Results reported with stutter filters on.
4FHYNQ	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.
4GCRHN	Lab work performed by DNA technician [Name]. [Name] performed interpretation and CTS portal data entry. [Name] performed tech review of the CTS data entry.
4QW8XB	Reporting with stutter filters on
4RAVHB	PowerPlex Fusion 6C sample processing was conducted on Items 1, 3 and 4. A differential extraction was performed on item 4. Autosomal analysis and interpretation was not conducted on items 3 and 4. Modified Rapid DNA Analysis was conducted on Item 2. No comparisons to evidence was done with items 1 and 2.
4YA2DD	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.
4YMT2N	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the semen donor. No alleles are present that cannot be attributed to either the victim or the semen donor from the sperm fraction.
6HYTWB	PowerPlex Fusion 6C sample processing was conducted on item 3 and item 4. Differential extraction was conducted on item 4. Autosomal analysis and interpretation was not conducted on item 3 or item 4. PowerPlex Fusion 6C sample processing and autosomal analysis was conducted on item 1 and item 2. No comparison to evidence was made.
6KQUXR	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
6N96WG	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 6

WebCode	Additional Comments
6WJ7FW	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
76R3RG	The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples. Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
77XUBH	The presence of suspect DNA in the non-sperm fraction of item 4 could be caused by either incomplete separation or non-sperm DNA from the suspect also being present.
7JQ7W9	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.
7QRX87	Extraction: Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ 7500 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the AmpFLSTR™ Identifiler™ Direct Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. With in-situ method, Item 1 and Item 2 were also amplified using the YFiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the AmpFLSTR™ Identifiler™ Plus and YFiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed using GeneMapper™ ID-X Software v1.5. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
8263QR	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
87U7G3	mRMP Item 1 = Item 3 = 8.79E+31. mRMP Item 2 = 5.12E+28. LR Item 4. Item 1 + 1 unkn vs 2 unkn = 4.71E+17 (d.o. =0.1), 2.70E+17 (d.o. =0.15). Item 2 + 1 unkn vs 2 unkn = 6.98E+14 (d.o. =0.1), 4.31E+14 (d.o. =0.14). Item 1 + Item 2 vs 2 unkn = 4.58E+39 (d.o. =0.1), 1.51E+39 (d.o. =0.14).
8BF6CT	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
8LBP76	reporting results with stutter filters on
8MBBCH	YSTR amplification only done on the Sperm/Substrate fraction of Item 4. A/TA noted in the YSTR profile from Item 4 sperm/sub fraction at DYS570 and DYS643 not included on table. could not separate major from minor at TH01 and D22S1045 of the STR profile for Item 4 sperm/substrate fraction, possible drop out of minor of this sample. could not separate major from minor at DYS385 for the YSTR profile from Item 4 sperm/substrate fraction. possible drop out at TH01 in the epithelial fraction from Item 4.

TABLE 6

WebCode	Additional Comments
8N3GMG	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
8VXTR7	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using the AmpFISTR Identifiler Direct PCR Amplification Kit while Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit on the 9700 GeneAmp PCR System. Y-STR (Short Tandem Repeat) amplification was carried out on Item 1, Item 2, Item 3 and Item 4 using the AmpFISTR Y-filer PCR Amplification Kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X software for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X software for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.
9HMD6D	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. 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 Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
9JYAC4	reporting results with stutter filters on
9RRUK4	Item-4 is a DNA mixture. Differential extraction on Item-4 was also performed and AU-/Y-data were acquired: (i) Item-4(e): The predominant species matches Item-1's DNA with only trace amounts of Item 2's DNA detected. (ii) Item-4(sp): Suspect's DNA was the sole source detected. Item-4(sp): Partial Profiles (PowerPlex Fusion and Y23) The low yields of Item-4(sp) is related to low amounts of Suspect's DNA in the stain. Whole stain analysis (Item-4) indicates that [Victim: Suspect] DNA ratio is at about [80-90: 20-10].
9TBZD	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.
9UFUWZ	reporting results with stutter filters on
9ZLPFZ	Data analyzed with stutter filters on.

TABLE 6

WebCode	Additional Comments
ADVEHV	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
AH7FCE	Item 4e: Additive n+4/n-4 stutter present at D12. Item 4s: Peak height imbalance present at SE33.
AVUN2R	Inclusion and exclusion were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio on the following propositions: Item 3: 1s/U. Item4e: 1s2s/1sU. Item 4sp 2s/U.
BEL296	Modified Rapid DNA analysis conducted on Items 1 and 2. Items 3 and 4 not processed, no DNA interpretations conducted.
C4VMVL	Test completed for serological testing only.
CAJKBZ	The 16 allele reported at DYS576 for item 4F1 is in an elevated stutter position and was not filtered by the laboratory analysis software. Per laboratory protocol, it would be reported as additional genetic data that could not be conclusively interpreted.
CFB4J6	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians.
CZXG32	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.
D27N8F	[Name] performed biology screening. [Name] performed DNA lab work and interpretation. [Name] performed technical review of the CTS data entry for biology and [Name] performed technical review of the CTS data entry for DNA. *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.
DHTDUV	reporting results with stutter filters on
DNX68Y	The 20 allele reported at SE33 for Item 4 F2 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 here as stutter peak versus a true minor allele and evaluated with the rest of the profile interpretation using probabilistic genotyping software.
E3UNKG	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
E4CQDB	STR analysis: Item 4-Epithelial fraction could not separate major/minor at D19S433, TH01, D13S317 and D2S1338. Item 4-Sperm/Substrate fraction could not separate major/minor at D18S51. A/TAs located at D13S317 [13]. (+4/-4) stutter removed at D3S1358 16 struck. Y-STR analysis: Item 4-Sperm/Substrate fraction could not separate major/minor at DYS389 I and DYS385. A/TAs located at DYS437 [14] and DYS635 [22].

TABLE 6

WebCode	Additional Comments
E8B39B	Due to incomplete separation during differential extraction, a mixture was present in the epithelial fraction and the sperm/substrate fraction of Item 4. Item 3 (GlobalFiler): 12 allele at D3S1358 presented as pull-up, was called off. 16 allele at D2S441 presented as pull-up, was called off. 17.3 allele at D12S391 presented as pull-up, was called off. Item 4 - Sperm/Substrate Fraction (GlobalFiler): 16 allele at D3S1358 presented as elevated +4 stutter and -4 stutter, was called off. 11.3 allele at D2S441 presented as an artifact with poor morphology, was called off. 12 allele at D19S433 presented as an artifact with poor morphology and partially out of bin, was called off. 23 allele at FGA presented as a possible artifact (elevated +4 stutter) or a possible true allele. 11 allele at D7S820 presented as a possible artifact (elevated +4 stutter) or a possible true allele. Item 3 (PowerPlex Y23): 16 allele at DYS456 presented as pull-up, was called off. Item 4 - Epithelial Fraction (PowerPlex Y23): 20 allele at DYS481 presented as an artifact with poor morphology, was called off.
EX2QPX	reported with Stutter filters on
F4KC84	# - indicates that the associated known donor or corresponding profile was subtracted per [Laboratory] policy
FCHWKX	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.
FFF9LP	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
FHNHLA	The non-sperm fraction of item 4 is a mixture. This is due to incomplete separation during the differential extraction. No alleles are present that cannot be attributed to either the male victim or the male donor from the sperm fraction.
FL9BPP	Screening tests performed by qualified Forensic Biologist and samples transferred to DNA analyst per SOP. KM testing performed by Forensic Biologist and DNA analyst; concordant results. AP test for item #3 was inconclusive; other semen tests on item #3 were negative. DNA analyst reviewed and interpreted male screen results. #1 and #2 tested with GlobalFiler and GlobalFiler Express; concordant results generated.
FLM3FK	N/A = not applicable. 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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
FM26PE	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 6

WebCode	Additional Comments
FT8Z9E	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.
FYMR67	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. 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 Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
G7MHEM	Qualified Forensic Biologists performed screening tests. The DNA analyst reviewed and interpreted the male screen results. The DNA analyst performed KM testing.
GBKTKV	reporting results with stutter filters on.
GJWYMD	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.
GR6L9Y	Reporting with stutter filters on
GXC4NE	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples. For Exhibit 4, locus D2S441 was not reported because it did not meet the laboratory's required interpretation criteria.
JG224C	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.

TABLE 6

WebCode	Additional Comments
JRY687	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
KFK4VR	Extraction: Item 3 was extracted using Chelex Extraction while Item 4 was extracted using Chelex Differential Extraction. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA quantitation kit and carried out by 7500 Real-Time PCR. Amplification: Item 1 and Item 2 were amplified using AMPFISTR Identifiler Direct Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using AMPFISTR Identifiler Plus Kit on 9700 GeneAmp PCR System. Item 1 to Item 4 were amplified using AMPFLSTR YFiler Kit on 9700 GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by Genetic Analyser 3500xl for Item 1 to Item 4. Quality Control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results.
KGUHA7	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male donor from the sperm fraction. No alleles are present that cannot be attributed to either the victim or the donor from the sperm fraction.
KRBRQR	Reference DNA profiles. A male DNA profile relating to the complainant was obtained from the blood staining on ITEM 1. A male DNA profile relating to the suspect was obtained from the blood staining on ITEM 2. Examination of ITEM 3. ITEM 3 is a small piece of yellow fabric with a red / brown stain thereon. The visible staining was confirmed as blood and a sample was subjected to DNA profiling tests. A male DNA profile was obtained which, in my opinion, is attributable to the blood staining tested. The male DNA profile matches the DNA profile of the complainant and given that the staining was found on his shirt, in my opinion, it is reasonable to conclude that the blood staining had originated from him. The piece of fabric was also chemically tested for semen and saliva, but none was detected. No apparent faecal or urine was noted on the piece of fabric. Examination of ITEM 4. ITEM 4 is a small piece of blue fabric with a red / brown stain thereon. The visible staining was confirmed as blood. Chemical reactions were obtained from the staining which, in my opinion, indicate the presence of seminal fluid. A sample of the stained fabric was extracted to recover any biological material present and sperm cells were found during a microscopic examination of the recovered material; thus confirming the presence of semen. Attempts were made to separate the sperm cells (seminal fraction) from the other cellular material (cellular fraction) present and the seminal fraction was subjected to DNA profiling tests. A male DNA profile was obtained which, in my opinion, is attributable to the sperm cells tested. The male DNA profile matches the DNA profile of the suspect which, in my opinion, is what I would expect if the semen on the piece of fabric had originated from him. This DNA result is, in my opinion, in the order of a billion times more likely if the semen had originated from the suspect, rather than if it had originated from another individual who is unrelated to him. A sample of the blood staining was also subjected to DNA profiling tests and a mixture of DNA was detected which, in my opinion, has originated from two individuals. In my opinion, the DNA profiles of the suspect and the complainant are represented in the result to the extent which suggests they are both potential contributors to the result and furthermore, in combination they can fully account for the DNA detected. Given the previous results detailed in this report, in my opinion, this DNA result could be explained if the sample tested was a mixture of blood from the complainant and seminal fluid from the suspect. No statistical evaluation of this finding has been carried out given the DNA result obtained from the blood staining on ITEM 3 and the semen on ITEM 4. The piece of fabric was chemically screened for saliva, but none was detected. No apparent faecal or urine was noted on the piece of fabric. The materials generated during the examination of ITEM 4 have been exhibited as ITEM 4/PSM/1 & 2.
LFZ3LF	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.

TABLE 6

WebCode	Additional Comments
LUJNCZ	Item 3 there is a 15.2 allele at D19S433 that drops below analytical threshold when stutter is removed. Item 4 sperm fraction there are alleles (13 at D19S433, 21 at FGA, 11 at D5S818, 13 at D13S317, 11 at D7S820, 20 at SE33, and 13 at D10S1248) that drop below the analytical threshold when stutter is removed. Allele 20 at SE33 does not correspond to either Item 1 or Item 2. Item 4 sperm fraction there are alleles (14 at DYS389 I and 23 at DYS390) that drop below analytical threshold when stutter is removed.
MEGTYR	item 4: We also performed a differential extraction on item 4. We performed a PCR only on the semen fraction and not on the epithelial fraction. The result of the semen fraction was a pure male DNA profile that matched the DNA profile of item 2 (suspect).
MQ8JJW	Elevated stutter present in sperm fraction of Item 4 at DYS391.
MQURRE	Due to the dilute appearance of the stain on item 4 and it having AP/p30 + results, no further confirmation for blood was attempted on the item after two negative Takayama results. Note: failure to obtain a positive Takayama result does not necessarily indicate the absence of blood and this test is generally used on more robust stains. Draft Report [Name]/060121
MXD6YE	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
N8GL4P	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.
NDLHMP	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.
NGJQ7E	Due to the dilute appearance of the stain on item 4 and the AP positive result, no further confirmation for blood was attempted on the item after four negative Takayama results. Failure to obtain a positive Takayama result does not necessarily indicate the absence of blood. This test is usually used on more robust blood stains.
NYKLT4	Regarding human origin test - 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.
P4BF2P	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.
P8CLGV	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.
Q7XCAF	A qualified Forensic Biologist performed the NaOH Y Screen while the DNA Analyst reviewed and interpreted the male screen results. A qualified Forensic Biologist performed all screening tests listed except the KM testing, which was performed by the DNA analyst.
Q8QENH	reporting results with stutter filters on
QJM9BD	KM testing done by DNA analyst. Male Screen testing was done by a member of the Forensic Biology Unit and analyzed by the DNA analyst. Other screening tests done by and analyzed by a member of the Forensic Biology Unit. DYS391 locus concordant between Globalfiler and Yfiler Plus.
QKQRPR	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.

TABLE 6

WebCode	Additional Comments
R2VZKT	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.
R7RN2Z	Item 4: Inconclusive for presence of acid phosphatase due to substrate color. "--" indicates possible additional genetic information may be present.
RBFQ4R	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.
RLZM3Q	We did another extraction for item 4 which we got two phases (e.,sp.). In the epithelial phase We got mixture of DNA :victim (item 1) and suspect (item 2). In the sperm phase we got full male profile (suspect-item 2). We used LR Mix Studio 2.1.3 Program (likelihood ratio) to know what is prbability whether the mixture contains Victim DNA and Suspect DNA. We got extremaly strong evidence which proof that victim's DNA and suspect's DNA is in the mixture.
RP7ZUQ	Yfiler data for reference 01 did not have data obtained above the analytical threshold at the DYS635 locus. The sample was not reamplified by the analyst because according to laboratory protocols, Y-STR analysis would not have normally been done in a case like this where informative STR results were obtained and probabilistic genotyping was conducted.
RXVNPT	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.
RYB43U	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.
T4F98Y	--Possible additional genetic information may be present
T6TK4J	Reporting results with stutter filters on
U2MJGQ	# = subtraction of alleles from the SF
U3J4CQ	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.
VEDJZ8	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.

TABLE 6

WebCode	Additional Comments
VKHFLR	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.
VX36CG	The 23 allele reported at D2S1338 for Item 4 sp 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.
VYFNAT	The non-sperm fraction of item 4 is mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the donor of the sperm fraction. No alleles are present that cannot be attributed to the victim or the donor of the sperm fraction.
W7WM96	Y-STRs only were conducted.
WC2H2D	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.
WJ8ZRQ	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.
WNXB2P	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.
WTM2TT	Allele 22 at FGA for sample 4e is in a combined (n+4/n-4) stutter position but is still below the stochastic threshold. K2 Cannot be excluded at this location because drop out of the sister allele to 22 is expected at this peak height. There is a visible peak below analytical threshold at the 19 position. Allele 14 at DYS19 for 4e is in a filtered stutter position and is under the 22% in house threshold for n-4 stutter at that location.
XLKCQE	Reporting results with stutter filters on.
XMD8DM	For item 3, the sample taken (3x1) was submitted for differential extraction but did not yield enough DNA in the "sperm" fraction for both Autosomal-STR and Y-STR analysis; therefore, only Autosomal-STR analysis was completed (hence why no Y-STR results were reported for item 3 sp fraction).
XMJ8L4	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
XVBWWD	Reporting results with stutter filters on.

TABLE 6

WebCode	Additional Comments
XXEAR	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the suspect. No alleles are present that cannot be attributed to either the victim or the suspect from the sperm fraction.
YA7MH2	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. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
YCP6DK	NT = not tested
YLLCG8	AP results for item #3 were inconclusive, most likely due to presence of blood. Serology tests performed by Forensic Biology qualified analyst. KM test and Analysis of Male screen results performed by this analyst.
YNMCNQ	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
Z97TCG	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
ZF8C8K	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. 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 Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 1, Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 21-5703: Forensic Biology

DATA MUST BE SUBMITTED BY **June 21, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: QT9F7W

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

Scenario:

Police are investigating the sexual assault of a male victim at the local county jail. The victim's statement describes that he was physically attacked and sexually assaulted in his cell by another inmate. The investigators are submitting stains from the shirt the victim was wearing (Item 3) and the victim's bed sheet (Item 4). Also provided were known blood samples from the male victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack B3):

Item 1: Known blood from the male victim

Item 2: Known blood from the male suspect

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

Item 4: Questioned stain from victim's bed sheet (blue)

Part I: SCREENING TESTS

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

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

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

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

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

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

Item 3:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>

Item 4:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>

Part III: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

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

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

Optional Questions

1: For CTS internal purposes only, please provide the extraction method used for the Known Items 1 & 2.

2: For CTS internal purposes only, please provide the extraction method used for the Questioned Items 3 & 4.

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)