



Forensic Biology Test No. 22-5704 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 635 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 white fabric (Items 1 & 2), and two questioned stains on clean, colored fabric (Item 3 & 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1, 2 and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 3 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. Item 1 (50 μ l) was created using blood from a female donor. Items 2 (50 μ l) and 4 (50 μ l) were created using blood from the same male donor. Item 3 (50 μ l) was created by combining blood from the Item 1 female donor and semen from the Item 2 male donor. 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 July 06, 2022 following completion of the verification stage.

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

VERIFICATION: All predistribution laboratories confirmed the manufacturer's expected associations. Consistent allelic results were reported for all STR and YSTR loci, with the exception of one participant who reported low level additional alleles for Item 3. After completion of an internal investigation the test was approved for release.

PLEASE NOTE: For Item 3, additional alleles across several loci were identified by various participants during full test distribution. Further discussion of these results will be published in the Summary Report.

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	13,15.3	17,19	10,12	16,18	12,13	*
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	NM	NM	NM	NM	
2	12,19.3	20,23	14,15	15,16	10,11	14,14
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15	2	
3-Blood	13,15.3	17,19	10,12	16,18	12,13	*
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	NM	NM	NM	NM	
3-Semen	12,19.3	20,23	14,15	15,16	10,11	*
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15	2	
4	12,19.3	20,23	14,15	15,16	10,11	*
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15	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
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12
3-Semen	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12

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

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

Manufacturer's Information, continued

Mitochondrial DNA Sequencing Results

Nucleotide Ranges Tested

The nucleotide ranges provided below are the consensus results reported by 8 participants. The nucleotide ranges represent the range tested by a minimum of 75% of participants.

<u>Item</u>	<u>HVR-II</u>	<u>HVR-I</u>
1	73-340	16024-16365
2	73-340	16024-16365
4	50-340	16024-16395

Deviations HVR-II, HVR-I

The base deviations presented here are the consensus of results reported by 8 participants. These results may not represent all base deviations reported by every participant due to the specific nucleotide ranges sequenced by individual participants. The base deviations represent those tested by a minimum of 75% of participants.

	263.0	315.1
ITEM 1	G	C

	73.0	249.0	263.0	290.0	291.0	315.1	16223.0	16298.0	16325.0	16327.0	16357.0
ITEM 2	G	DEL	G	DEL	DEL	C	T	C	C	T	C

	73.0	249.0	263.0	290.0	291.0	315.1	16223.0	16298.0	16325.0	16327.0	16357.0
ITEM 4	G	DEL	G	DEL	DEL	C	T	C	C	T	C

Summary Comments

The 22-5704 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Item 1 was created using blood from a female donor. Items 2 and 4 were created using blood from the same male donor. Item 3 was created by combining blood from the Item 1 female donor and semen from the Item 2 male donor. (See Manufacturer's Information for preparation details)

Data were returned by 635 participants.

Screening Test Results:

Screening results for body fluids (blood, semen, saliva) were returned by a total of 592 participants. However, not all of these participants returned screening results for all fluids for both questioned items.

For Item 3, all participants reported "Positive" for the presence of blood. For the presence of semen, 556 participants reported "Positive," sixteen reported "Negative," and two reported "Inconclusive." Twelve of the participants who reported "Negative" documented the use of ALS, AP, or a combination of the two. For the presence of saliva, one participant reported "Positive," 178 reported "Negative," and three reported "Inconclusive." Additionally, all responding participants reported "Positive" for Human Origin and Y-Screening.

For Item 4, all participants reported "Positive" for the presence of blood. For the presence of semen, one participant reported "Positive," 548 reported "Negative," and two reported "Inconclusive." For the presence of saliva, 178 participants reported "Negative" and three reported "Inconclusive." For Human Origin screening, 109 participants reported "Positive" and one reported "Inconclusive." For Y-Screening, all but two participants reported "Positive." The remaining two participants reported "Negative" and "Inconclusive," respectively.

DNA Analysis Results:

A total of 615 participants reported DNA results. One participant selected the "No Interpretations" option individually for all interpretation questions and one participant did not respond.

For the Item 3 stain, the interpretation breakdown is as follows: all but four participants included the victim (Item 1) as a possible contributor. The remaining four participants were "Inconclusive" as to whether the victim (Item 1) was a contributor. All responding participants included the suspect (Item 2) as a possible contributor.

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

A total of 240 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. Based on the interpretations described above, these inconsistencies did not appear to affect participants' conclusions.

During the predistribution verification stage, one participant reported low-level alleles at five loci for Item 3. These results were reviewed against the other predistribution participants, including electropherograms. The minor alleles were also compared against our elimination database. Following this review and confirmation that these alleles were not from any individuals in our elimination database, the test was approved for release.

During full test distribution, 54 (~9%) participants (excluding those reporting PG data) either reported a low-level contributor in their allelic results for Item 3 and/or mentioned it in the additional comments section. A consensus result could not be determined from the reported low-level alleles, as the most frequently reported additional minor allele was reported by only 30% of participants. Of these 54 participants, most reported using GlobalFiler™ followed by PowerPlex® Fusion. These additional alleles did not appear to have a large impact on the Interpretation results; however, three participants reported "Inconclusive" as to whether the victim (Item 1) was a contributor to Item 3.

Due to the number of participants reporting a potential third individual in Item 3, loci will not be highlighted as inconsistent for this Item (3, 3e or 3sp) as long as the expected alleles are present. Those loci where the expected alleles

are missing will still be highlighted as inconsistent for Item 3.

CTS strives for the highest quality test materials and we are committed to providing a quality service to the forensic community. Our internal investigation has yet to identify a source of these minor alleles therefore, we are continuing our investigation.

AMENDMENT September 2023:

In January 2023, CTS published the Summary Report for Test 22-5704: Forensic Biology that revealed 9% of participants identified a low-level contributor for Item 3. Since then, CTS investigated the source of this contributor. As part of the investigation, CTS completed the following: reviewed all employee profiles to compare with extraneous alleles, interviewed suppliers, separately profiled the neat semen specimen from the Item 3 mixture sample, and reviewed several electropherograms from affected participants. The low-level contributor's profile was incomplete and was variable across participants. At the conclusion of this investigation, CTS was not able to identify a source of this contributor.

While CTS has robust production procedures in place, this investigation allowed us to further strengthen our procedures and support CTS' commitment to provide the forensic community with high-quality service and products.

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
22PN2H	Pos TMB, HemDirect	Pos TMB, HemDirect
29R4YN	Pos KM	Pos KM
2BRNA2	Pos KM, RSID	Pos KM
2C8PEN	Pos LMG, HT	Pos LMG, HT
2CLCRW	Pos KM	Pos KM
2FMPMW	Pos KM	Pos KM
2GXZNM	Pos LMG	Pos LMG
2J4M4C	Pos KM	Pos KM
2MKZPL	Pos TMB	Pos TMB
2RCULF	Pos TMB	Pos TMB
2WA9FX	Pos KM	Pos KM
2WTGF7	Pos KM, HemaTrace	Pos KM, HemaTrace
2X3R7H	Pos PTMB	Pos PTMB
2XLRFU	Pos KM	Pos KM
2YJL9D	Pos KM	Pos KM
33F7Q9	Pos KM, TMB	Pos KM, TMB
33JZLV	Pos KM	Pos KM
33VVTU	Pos KM	Pos KM
347T7C	Pos KM	Pos KM, HemaTrace
36FZ96	Pos TMB, Takayama	Pos TMB, Takayama
38NR4L	Pos TMB, HemDirect	Pos TMB, HemDirect
3DQQTQ	Pos LMG	Pos LMG
3DVJT6	Pos KM, HemaTrace	Pos KM, HemaTrace
3H6WB3	Pos KM	Pos KM
3J6T7R	Pos LMG	Pos LMG
3JYKTY	Pos PTMB	Pos PTMB
3KTQED	Pos TMB, HemDirect	Pos TMB, HemDirect
3KUML3	Pos KM, HemaTrace	Pos KM, HemaTrace
3MXMDM	Pos LMG, HemaTrace	Pos LMG, HemaTrace
3NT6EN	Pos LMG	Pos LMG
3RGUGV	Pos KM	Pos KM
3UYRDJ	Pos TMB, HemDirect	Pos TMB, HemDirect
3UYWP8	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
3UZ4CE	Pos KM, HemaTrace	Pos KM, HemaTrace
3YEGEM	Pos KM	Pos KM
3Z6PEP	Pos PTMB	Pos PTMB
3ZP3MH	Pos TMB, HemDirect	Pos TMB, HemDirect
44KN6P	Pos LMG, HemaTrace	Pos LMG, HemaTrace
44M9WY	Pos PTMB	Pos PTMB
488CRB	Pos KM	Pos KM
4AQHYK	Pos LMG	Pos LMG
4AT3QU	Pos PTMB	Pos PTMB
4BNYJF	Pos KM, HemaTrace	Pos KM, HemaTrace
4C33Z8	Pos KM	Pos KM
4CXTXA	Pos KM	Pos KM
4DPLWY	Pos KM, HemaTrace	Pos KM, HT
4FFV3U	Pos KM	Pos KM
4FYRGE	Pos KM, HemaTrace	Pos KM, HemaTrace
4GB32K	Pos KM	Pos KM
4GRPKF	Pos PTMB	Pos PTMB
4GV3CH	Pos KM, HemaTrace	Pos KM, HemaTrace
4JGBKC	Pos TMB	Pos TMB
4JX3CE	Pos KM, HemaTrace	Pos KM, HemaTrace
4L2HLK	Pos KM	Pos KM
4MLA2H	Pos KM	Pos KM
4NPTGK	Pos TMB, HemDirect	Pos TMB, HemDirect
4QW8AJ	Pos KM	Pos KM
4TAZJ8	Pos KM	Pos KM
62UY3N	Pos KM, HemaTrace	Pos KM, HemaTrace
63MQC9	Pos KM	Pos KM
63TGHC	Pos Hemastix	Pos Hemastix
63UNVK	Pos TMB (Hemastix), HemaTrace	Pos TMB (Hemastix), HemaTrace
6696MJ	Pos KM	Pos KM
67M4QL	Pos KM	Pos KM
68Y7VT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
6A62NN	Pos KM, HemaTrace	Pos KM, HemaTrace
6ALD2M	Pos KM, HemaTrace	Pos KM, HemaTrace
6BHN2W	Pos PTMB	Pos PTMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
6BPLMU	Pos KM	Pos KM
6EHYWW	Pos PTMB	Pos PTMB
6EV8NQG	Pos TMB, HemDirect	Pos TMB, HemDirect
6FGZ6A	Pos KM	Pos KM
6GMWGGK	Pos KM	Pos KM
6MT2GC	Pos KM	Pos KM
6MTT2K	Pos KM	Pos KM
6N92ED	Pos TMB	Pos TMB
6QGLAM	Pos KM	Pos KM
6RC6HF	Pos KM	Pos KM
6UUW3C	Pos PHTH, HemaTrace	Pos PHTH, HemaTrace
72MABV	Pos PTMB	Pos PTMB
72TC9G	Pos TMB, HemaTrace	Pos TMB, HemaTrace
738UCM	Pos KM	Pos KM
73KK9J	Pos PTMB	Pos PTMB
74DCH6	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
74DQWK	Pos TMB, HemDirect	Pos TMB, HemDirect
77G4AH	Pos LMG, HT	Pos LMG, HT
77KH47	Pos KM and HemaTrace	Pos KM and HemaTrace
7A4R2B	Pos KM, HemaTrace	Pos KM, HemaTrace
7BJU9J	Pos KM	Pos KM
7CJRT6	Pos KM	Pos KM
7EUVZF	Pos PTMB	Pos PTMB
7HFTCD	Pos KM, HemaTrace	Pos KM, HemaTrace
7MN4JL	Pos PTMB	Pos PTMB
7N83MB	Pos KM, HemaTrace	Pos KM, HemaTrace
7NZZQC	Pos TMBP	Pos TMBP
7PEAWQ	Pos KM	Pos KM
7PGUT8	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
7PJZB8	Pos KM, TMB	Pos KM, TMB
7QG334	Pos PTMB	Pos PTMB
7VP9L4	Pos KM	Pos KM
7WBUWK	Pos KM	Pos KM
7Y4K3Y	Pos KM	Pos KM
7Y9JFM	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
7ZVNPE	Pos TMB, HemDirect	Pos TMB, HemDirect
7ZX9KV	Pos KM, HemaTrace	Pos KM
82MKU6	Pos KM, HemDirect	Pos KM, HemDirect
8BDY3H	Pos KM	Pos KM
8BUB8G	Pos KM	Pos KM
8F8EBK	Pos KM, HemaTrace	Pos KM, HemaTrace
8GJTWD	Pos KM	Pos KM
8Q9GRF	Pos Visual, KM	Pos Visual, KM
8QKVNJ	Pos LMG, HemaTrace	Pos LMG, HemaTrace
8QZ6MB	Pos TMB, HEMDIRECT	Pos TMB, HEMDIRECT
8RF8UJ	Pos TMB, HemDirect	Pos TMB, HemDirect
8RZ2GF	Pos KM	Pos KM
8U7WAC	Pos PTMB	Pos PTMB
8UFDX4	Pos Phenolphthalein	Pos Phenolphthalein
8WD9TY	Pos KM	Pos KM
8Z8P78	Pos KM, HemDirect	Pos KM, HemDirect
8ZAEDP	Pos TMB, HemDirect	Pos TMB, HemDirect
8ZCGKN	Pos LMG	Pos LMG
92H29A	Pos KM, HemaTrace	Pos KM, HemaTrace
92HTCH	Pos KM	Pos KM
92YL8R	Pos PTMB	Pos PTMB
93BTHU	Pos KM	Pos KM
9BQUYA	Pos KM, HemaTrace	Pos KM, HemaTrace
9DEDW2	Pos KM	Pos KM
9DEVYK	Pos TMB, HemDirect	Pos TMB, HemDirect
9FP9NK	Pos KM, HemaTrace	Pos KM, HemaTrace
9H6FNM	Pos KM	Pos KM
9H9GRE	Pos KM	Pos KM
9HPKHY	Pos KM, RSID Blood	Pos KM, O-toI, HemaTrace
9QEZH	Pos LMG, HemaTrace	Pos LMG, HemaTrace
9RACNJ	Pos TMB, HemDirect	Pos TMB, HemDirect
9RXYFU	Pos KM, HemaTrace	Pos KM, HemaTrace
9TM8LP	Pos KM	Pos KM
9UJVUD	Pos KM	Pos KM
9VXACU	Pos HT	Pos HT

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
A2DA6C	Pos PTMB	Pos PTMB
A4926P	Pos LMG	Pos LMG
A6C34W	Pos Hemastix, ABA HemaTrace Confirmatory	Pos Hemastix, ABA HemaTrace Confirmatory
A6ZGFF	Pos KM	Pos KM
A78YCQ	Pos KM	Pos KM
A7BQJR	Pos KM, HemaTrace	Pos KM, HemaTrace
A7NYBL	Pos O-tol, Visual	Pos O-tol, Visual
A8J4Y9	Pos PTMB	Pos PTMB
A8NGQB	Pos KM, HemaTrace	Pos KM, HemaTrace
A9H6A7	Pos KM	Pos KM
AB2KH8	Pos IR, KM	Pos IR, KM
ACJ4QQ	Pos LMG	Pos LMG
ACVRXJ	Pos PTMB	Pos PTMB
AFHJYD	Pos KM	Pos KM
AMHKZM	Pos PTH, HemaTrace, IR	Pos PTH, HemaTrace, IR
AMKT4K	Pos KM	Pos KM
AR8YM9	Pos KM	Pos KM
AT7JUM	Pos LMG	Pos LMG
AU3Y3D	Pos KM	Pos KM
AVD2NC	Pos KM	Pos KM
AVTCE4	Pos KM	Pos KM
AW62N9	Pos KM, HemaTrace	Pos KM, HemaTrace
B372F4	Pos KM	Pos KM
B8EHVK	Pos KM	Pos KM
BBWKYJ	Pos KM, HemaTrace	Pos KM, HemaTrace
BD8YLX	Pos KM	Pos KM
BEH4X2	Pos KM	Pos KM
BGND7X	Pos Hstx, HTrace	Pos Hstx, HTrace
BH3FT3	Pos LMG, HemaTrace	Pos LMG, HemaTrace
BHML4A	Pos KM	Pos KM
BHVUVG	Pos LMG	Pos LMG
BHZPQ3	Pos TMB, HemDirect	Pos TMB, HemDirect
BJBLZD	Pos KM	Pos KM
BL6LJP	Pos LMG	Pos LMG
BLJ4AN	Pos PTMB	Pos PTMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
BLVFE	Pos TMB, HemDirect	Pos TMB, HemDirect
BP2DNF	Pos LMG	Pos LMG
BPEDK6	Pos Phenolphthalein Test	Pos Phenolphthalein Test
BTDX7F	Pos KM, Hemastix, HemaTrace	Pos KM, Hemastix, HemaTrace
BTJYGH	Pos Hemastix	Pos Hemastix
BUT4TK	Pos KM	Pos KM
BWF9HN	Pos KM	Pos KM
BWLFQC	Pos KM	Pos KM
BY8QK4	Pos KM	Pos KM
C347QC	Pos KM	Pos KM
C3GHR9	Pos HemDirect, TMB	Pos HemDirect, TMB
C4DWF2	Pos TMB	Pos TMB
C4UGG6	Pos KM	Pos KM
C7LJ4K	Pos KM, HemaTrace	Pos KM, HemaTrace
C8EEVM	Pos KM	Pos KM
C98XGF	Pos TMB, HemDirect	Pos TMB, HemDirect
C9RE82	Pos KM, TMB	Pos KM, TMB
CBDJN8	Pos PTMB	Pos PTMB
CBZY8H	Pos KM	Pos KM
CGMA3T	Pos KM	Pos KM
CHV8ZN	Pos PTMB	Pos PTMB
CHZMFA	Pos KM	Pos KM
CNHEQ3	Pos TMB	Pos TMB
CQCGXX	Pos KM	Pos KM
CR7CCT	Pos KM, HemaTrace	Pos KM, HemaTrace
CRYQHD	Pos LMG, HemaTrace	Pos LMG, HemaTrace
CWAWZ6	Pos KM	Pos KM
D28C7C	Pos TMB, HemaTrace	Pos TMB, HemaTrace
D3WVEK	Pos LMG, HemaTrace	Pos LMG, HemaTrace
D4TDGL	Pos KM	Pos KM
D7X77D	Pos Hemastix	Pos Hemastix
D7YECX	Pos KM	Pos KM
D97NFN	Pos KM, Hemdirect	Pos KM, Hemdirect
D9RAY7	Pos KM, HemaTrace	Pos KM, HemaTrace
DAXAZL	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
DBWT6E	Pos KM	Pos KM
DCJJZR	Pos KM	Pos KM
DECUZF	Pos TMB, HemDirect	Pos TMB, HemDirect
DGFKDM	Pos KM, HemaTrace	Pos KM, HemaTrace
DGGYVU	Pos red-brown, HemDirect	Pos red-brown, HemDirect
DKJFWP	Pos KM	Pos KM
DMKL74	Pos TMB	Pos TMB
DMLLN	Pos KM, HemaTrace	Pos KM, HemaTrace
DPADCL	Pos KM	Pos KM
DRLXJA	Pos PTMB, Hemdirect	Pos PTMB, Hemdirect
DRY2XG	Pos KM, HemaTrace	Pos KM, HemaTrace
DUK2YH	Pos IR and pth	Pos pth and HemaTrace
DVYNUW	Pos KM	Pos KM
E2VQU9	Pos TMB, HemDirect	Pos TMB, HemDirect
E3983F	Pos LMG	Pos LMG
E3UMNC	Pos KM	Pos KM
E9ZTAM	Pos KM, HemaTrace	Pos KM, HemaTrace
EAFHNF	Pos KM	Pos KM
EAQLVD	Pos Hemastix	Pos Hemastix
EB3T7D	Pos KM, HemaTrace	Pos KM, HemaTrace
EB7EXM	Pos PTMB	Pos PTMB
EE9Z3D	Pos LMG	Pos LMG
EFYBQK	Pos KM	Pos KM
EKFLZH	Pos KM, HemaTrace	Pos KM, HemaTrace
ENYNXF	Pos KM	Pos KM
EQH8TZ	Pos ABACard® HemaTrace®, KM	Pos ABACard® HemaTrace®, KM
EQKWYH	Pos O-tol	Pos O-tol
ERXZTF	Pos KM	Pos KM
EVDJP3	Pos KM	Pos KM
EVXA4G	Pos LMG	Pos LMG
F7ULMN	Pos IR, KM, HemaTrace	Pos IR, KM, HemaTrace
F88BU8	Pos KM	Pos KM
F8KBPB	Pos KM, HemaTrace	Pos KM, HemaTrace
F9HYAD	Pos PTMB	Pos PTMB
FATY8T	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
FCGJ6A	Pos Pheno	Pos Pheno
FCWY4J	Pos PTMB	Pos PTMB
FELK4G	Pos O-tol	Pos O-tol
FG9KEB	Pos PTMB	Pos PTMB
FHHAH3	Pos PHT	Pos PHT
FHMZVX	Pos KM, HemDirect	Pos KM, HemDirect
FJTB62	Pos KM	Pos KM
FKPNRU	NT	Pos KM
FMU8Y3	Pos KM	Pos KM
FPKYR	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
FQ2VP7	Pos PTMB, HemDirect	Pos PTMB, HemDirect
FUY4L9	Pos KM	Pos KM
FWNU78	Pos KM	Pos KM
G2R8EP	Pos KM	Pos KM
G42389	Pos KM	Pos KM
G7JH7E	Pos PH	Pos PH
G8KJJG	Pos KM	Pos KM
G9QT44	Pos PTMB, HemDirect	Pos PTMB, HemDirect
GA4ZAZ	Pos TMB	Pos TMB
GEZL7A	Pos TB (Tetra Barium), Hexagon Obti	Pos TB (Tetra Barium), Hexagon Obti
GGLW9Z	Pos KM	Pos KM
GKPHB6	Pos KM	Pos KM
GMCGPH	Pos KM	Pos KM
GPJEVP	Pos PPTH, O-tol, HemDirect	Pos PPTH, O-tol, HemDirect
GR3XTV	Pos KM test	Pos KM test
GRPRQ6	Pos PTMB	Pos PTMB
GXD2RB	Pos KM	Pos KM
GYLJYY	Pos KM	Pos KM
H3KJBF	Pos PTMB	Pos PTMB
H4G6D3	Pos KM	Pos KM
H8HMVA	Pos KM	Pos KM
HCC8JK	Pos KM	Pos KM
HJU9P3	Pos PTMB	Pos PTMB
HR6XEG	Pos KM	Pos KM
HTDCLM	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
HU6F93	Pos TMB	Pos TMB
HU8Z6H	Pos KM	Pos KM
HUCQH9	Pos PTMB	Pos PTMB
HUMWEA	Pos KM	Pos KM
HXUNQ3	Pos KM, HemaTrace	Pos KM, HemaTrace
HYHNM8	Pos KM	Pos KM
HYLHF9	Pos TMB, HemDirect	Pos TMB, HemDirect
J2Z3Q8	Pos KM	Pos KM
J3WLR9	Pos LMG	Pos LMG
J3ZDV6	Pos TMB, HemDirect	Pos TMB, HemDirect
J7TNKA	Pos LMG, HemaTrace	Pos LMG, HemaTrace
J8B623	Pos KM	Pos KM
J8DBB6	Pos KM	Pos KM
JCNZQD	Pos LMG	Pos LMG
JF34D4	Pos TMB, HemDirect	Pos TMB, HemDirect
JFMP6U	Pos KM	Pos KM
JFPZWC	Pos KM, HemaTrace	Pos KM, HemaTrace
JJ3E94	Pos TMB, HemDirect	Pos TMB, HemDirect
JJ82AW	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
JL8XFC	Pos PTH, HemaTrace, IR	Pos PTH, IR
JP8L27	Pos KM, HemaTrace	Pos KM, HemaTrace
JQ7QPF	Pos LMG	Pos LMG
JRGNUW	Pos KM	Pos KM
JU27XH	Pos KM	Pos KM
JVL7F8	Pos KM	Pos KM
JW9BPK	Pos KM	Pos KM
JYF9U7	Pos PTMB	Pos PTMB
JYGJY6	Pos Hemastix	Pos Hemastix
JZC7LR	Pos KM, HemaTrace	Pos KM, HemaTrace
K3V2MK	Pos KM, HemaTrace	Pos KM, HemaTrace
K8LPAY	Pos TMB	Pos TMB
K8NQP6	Pos LMG, HemaTrace	Pos LMG, HemaTrace
KAV9E8	Pos LMG	Pos LMG
KB7R24	Pos KM	Pos KM
KF3UCC	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
KGFFPK	Pos KM, HemaTrace	Pos KM, HemaTrace
KHUWAD	Pos LMG	Pos LMG
KJ2U3F	Pos O-tol	Pos O-tol
KJ4UEU	Pos KM	Pos KM
KJKM7W	Pos Hematrace	Pos Hematrace
KKVHLB	Pos IR, pth, ABACard HemaTrace	Pos pth
KKWQYH	Pos KM, HemaTrace	Pos KM, HemaTrace
KR8VA9	Pos LMG; HemaTrace	Pos LMG; HemaTrace
KT4MHE	Pos PTMB	Pos PTMB
KTJL8Q	Pos PTMB	Pos PTMB
KUZ3Q6	Pos KM	Pos KM
KYBMNX	Pos TMB	Pos TMB
KYTGP8	Pos TMB, HemDirect	Pos TMB, HemDirect
KZ8YTD	Pos LMG, HemaTrace	Pos LMG, HemaTrace
KZA3LA	Pos KM	Pos KM
L46BCW	Pos KM	Pos KM
L499NY	Pos LMG	Pos LMG.
L7BACQ	Pos KM	Pos KM
LABK8Q	Pos KM	Pos KM
LCXN4A	Pos LMG	Pos LMG
LH3G7R	Pos KM	Pos KM
LKUFKQ	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
LL3366	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
LMY4XV	Pos KM	Pos KM
LNQ7KA	Pos HemaTrace	Pos HemaTrace
LP9YW7	Pos KM	Pos KM
LUZHKG	Pos KM, HemaTrace	Pos KM, HemaTrace
LXDP44	Pos LMG, HemaTrace	Pos LMG, HemaTrace
LZYLBU	Pos KM	Pos KM
M2CXQW	Pos PTMB	Pos PTMB
M4JUDQ	Pos KM, TMB	Pos KM, TMB
M7PKU2	Pos Takayama	Pos Takayama
MA4TQU	Pos KM	Pos KM
MAPWP2	Pos KM, ABA HemaTrace	Pos KM
MBVDA	Pos BLUESTAR-OBTI	Pos BLUESTAR-OBTI

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
MFQJFB	Pos KM	Pos KM
MG7CBJ	Pos KM	Pos KM
MH4C7U	Pos KM	Pos KM
MKAALC	Pos KM	Pos KM
MKNKC4	Pos PTMB	Pos PTMB
MLV39E	Pos PTMB	Pos PTMB
MM8C7Z	Pos TMB, HemDirect	Pos TMB, HemDirect
MN3U93	Pos TMB, hemdirect	Pos TMB, hemdirect
MRRMRWR	Pos KM	Pos KM
MTXHA3	Pos KM	Pos KM
MVAVTB	Pos KM	Pos KM
MVLZ69	Pos O-tol	Pos O-tol
MW69PB	Pos KM	Pos KM
MXDMTB	Pos PTMB	Pos PTMB
MYJJ78	Pos KM	Pos KM
N36ZFK	Pos KM	Pos KM
N8VGLJ	Pos KM, HemaTrace	Pos KM, HemaTrace
N8ZTBZ	Pos KM, HemaTrace	Pos KM, HemaTrace
N9QGQ6	Pos TMB, HemDirect	Pos TMB, HemDirect
NA449J	Pos KM	Pos KM
NBV7VY	Pos TMB, HemDirect	Pos TMB, HemDirect
NECY2C	Pos PTMB	Pos PTMB
NHUNEG	Pos KM	Pos KM
NLZK8D	Pos KM, HemDirect	Pos KM, HemDirect
NQD9X2	Pos TMB (hemastix), HemaTrace	Pos TMB (hemastix), HemaTrace
NQDYUP	Pos KM, TMB	Pos KM, TMB
NQL9C3	Pos TMB, HemDirect	Pos TMB, HemDirect
NR3QQM	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
NTE3BR	Pos TMB	Pos TMB
NU42DA	Pos KM	Pos KM
NUN64H	Pos KM	Pos KM
NWFMEW	Pos KM, HemaTrace	Pos KM, HemaTrace
NWUDKP	Pos KM	Pos KM
NWYR7N	Pos KM/TMB	Pos KM/TMB
NZBKHU	Pos PTMB	Pos PTMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
P24CUL	Pos KM	Pos KM
P297VL	Pos KM	Pos KM
P2TMBN	Pos KM, Hb HemeDirect	Pos KM, Hb HemeDirect
P3JTM9	Pos KM	Pos KM
P3ZJMY	Pos KM	Pos KM
P7X3MC	Pos KM	Pos KM
P8CWC7	Pos KM, HemaTrace	Pos KM, HemaTrace
PAXNJ2	Pos KM	Pos KM
PCKH3N	Pos KM	Pos KM
PDL2JX	Pos KM	Pos KM
PDY9A2	Pos LMG, HemaTrace	Pos LMG, HemaTrace
PEXVYX	Pos KM	Pos KM
PHFY74	Pos KM	Pos KM
PHQQAY	Pos TMB, HemDirect	Pos TMB, HemDirect
PJKETU	Pos TMB, Hemdirect	Pos TMB, Hemdirect
PJL9CZ	Pos TMB, HemDirect	Pos TMB, HemDirect
PM8AXT	Pos KM, HemaTrace	Pos KM, HemaTrace
PN6KTV	Pos KM, HemaTrace	Pos KM, HemaTrace
PP8RM9	Pos PTMB	Pos PTMB
PPQX72	Pos LMG, HemaTrace	Pos LMG, HemaTrace
PQ48VY	Pos LMG	Pos LMG
PTTCUX	Pos PTMB, HemDirect	Pos PTMB, HemDirect
PVHBWG	Pos KM	Pos KM
PVHL3D	Pos PTMB	Pos PTMB
PXZ3W4	Pos KM, HemaTrace	Pos KM, HemaTrace
Q3XNKZ	Pos KM	Pos KM
Q4ADRJ	Pos KM	Pos KM
Q7E4WD	Pos KM, HemaTrace	Pos KM, HemaTrace
Q88YGZ	Pos PTMB	Pos PTMB
Q8M498	Pos KM	Pos KM
QC7UHT	Pos RSID – Rapid Stain Identification of Human Blood	Pos RSID – Rapid Stain Identification of Human Blood
QDD4HF	Pos KM	Pos KM
QDPYLY	Pos O-tol	Pos O-tol
QE8R2B	Pos KM	Pos KM
QH3P3M	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
QHR7HB	Pos PTMB	Pos PTMB
QKWWKJ	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
QP7NK4	Pos KM, HemDirect	Pos KM, HemDirect
QPLV2E	Pos KM	Pos KM
QPPXNJ	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
QRY2HV	Pos KM, HemaTrace	Pos KM, HemaTrace
QTP8UE	Pos KM	Pos KM
QUXVZR	Pos TMB	Pos TMB
QVUWWN	Pos KM	Pos KM
QXY462	Pos TMB, HemDirect	Pos TMB, HemDirect
QYXZX7	Pos HemaTrace	Pos HemaTrace
QZQCTQ	Pos KM, HemaTrace	Pos KM, HemaTrace
R2B8QX	Pos TMB	Pos TMB
R2VD79	Pos PTMB	Pos PTMB
R48Y7V	Pos KM	Pos KM
R4BJY6	Pos LMG	Pos LMG
R7T2TV	Pos KM	Pos KM
R9XFB9	Pos PTMB	Pos PTMB
RACVQV	Pos TMB, HemaTrace	Pos TMB, HemaTrace
RB2DJF	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
RBLUYJ	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
RC4RJV	Pos KM	Pos KM
RCDKRX	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
RDQ23Q	Pos KM	Pos KM
RGQA9L	Pos KM	Pos KM
RKQ7Q7	Pos PTMB	Pos PTMB
RLGJHK	Pos KM test	Pos KM test
RNR676	Pos KM	Pos KM
RQWQZX	Pos KM, HemaTrace	Pos KM, HemaTrace
RR9UTH	Pos KM	Pos KM
RT97UX	Pos KM, HemaTrace	Pos KM, HemaTrace
RUFryp	Pos KM	Pos KM
RUTX6L	Pos TMB	Pos TMB
RY8DVD	Pos Hemastix, ABA HemaTrace Confirmatory	Pos Hemastix, ABA HemaTrace Confirmatory
RYNMPZ	Pos Hemastix	Pos Hemastix

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
T2BN4M	Pos TMB	Pos TMB
T38KUM	Pos KM	Pos KM
T8F6Z3	Pos KM	Pos KM
TA4RGW	Pos KM	Pos KM
TA9QTX	Pos KM	Pos KM
TBH7ZY	Pos TMB, HemDirect	Pos TMB, HemDirect
TDK7WP	Pos KM, HemaTrace	Pos KM, HemaTrace
TEFBNH	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
TLFPC6	Pos KM	Pos KM
TNNEJ3	Pos KM	Pos KM
TNQKZH	Pos KM	Pos KM
TPWCAD	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
TW32WC	Pos KM	Pos KM
TXHY8U	Pos KM	Pos KM
TZ2T6U	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
TZWP34	Pos KM	Pos KM
U4CJEU	Pos LMG	Pos LMG
U6FTY2	Pos LMG	Pos LMG
U7YNZT	Pos Hemastix	Pos Hemastix
U8BBU2	Pos KM	Pos KM
UAQYGT	Pos KM	Pos KM
UCP9G9	Pos KM, HemDirect	Pos KM, HemDirect
UD3ZAP	Pos PTMB	Pos PTMB
UEDCX2	Pos KM	Pos KM
UFT3ED	Pos KM	Pos KM
UHDQGK	Pos TMB, hemedirect	Pos TMB, hemedirect
ULAC9M	Pos TMB	Pos TMB
UPHY9R	Pos KM	Pos KM
UQ64EY	Pos KM	Pos KM
UQX3ZY	Pos KM	Pos KM
UTE9WU	Pos KM	Pos KM
UTG4VK	Pos KM	Pos KM
UTXDUD	Pos HemDirect	Pos HemDirect
UV6B43	Pos LMG, HemaTrace	Pos LMG, HemaTrace
UWU96Z	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
UWYGHT	Pos KM	Pos KM
UX3XCX	Pos TMB, HemDirect	Pos TMB, HemDirect
UXQWWQ	Pos KM	Pos KM
V2KBY7	Pos KM	Pos KM
V2KE73	Pos KM	Pos KM
V4Q2DT	Pos PTMB	Pos PTMB
V93NVJ	Pos TMB, HemDirect	Pos TMB, HemDirect
V97B9R	Pos TMB, HemDirect	Pos TMB, HemDirect
VAZGN3	Pos KM	Pos KM
VBAW64	Pos KM	Pos KM
VBRW2E	Pos KM	Pos KM
VBTD9Q	Pos KM	Pos KM
VC9HZ2	Pos LMG	Pos LMG
VCPUFL	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
VEVBJJ	Pos KM	Pos KM
VF3X94	Pos KM	Pos KM
VGGVPM	Pos PTMB	Pos PTMB
VHWA3N	Pos KM, HemaTrace	Pos KM, HemaTrace
VLFFLK	Pos KM & Combur (TMB)	Pos KM & Combur (TMB)
VQMC4U	Pos TMB, HemDirect	Pos TMB, HemDirect
VRJD3B	Pos KM	Pos KM
VV4BKZ	Pos LMG	Pos LMG
VZDEM V	Pos TMB, HemaTrace	Pos TMB, HemaTrace
VZE6Z6	Pos LMG	Pos LMG
W3C8WK	Pos KM, HemaTrace	Pos KM, HemaTrace
W3ED42	Pos LMG, HemaTrace	Pos LMG, HemaTrace
W7V9VC	Pos KM	Pos KM
W92BNH	Pos TMB	Pos TMB
WAV2UW	Pos KM	Pos KM
WCZLJH	Pos TMB	Pos TMB
WDV6LJ	Pos TMB, Hemdirect	Pos TMB, Hemdirect
WE66QQ	Pos KM	Pos KM
WF6HKQ	Pos PTMB	Pos PTMB
WH9BGB	Pos PTN, HemaTrace	Pos PTN, HemaTrace
WKB9PH	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
WMRDRE	Pos KM	Pos KM
WQHVLRL	Pos KM	Pos KM
WQX4KU	Pos KM	Pos KM
WT7Q69	Pos O-tol, HemDirect	Pos O-tol, HemDirect
WTBFXR	Pos KM	Pos KM
WTRXCW	Pos KM	Pos KM
WVGA9G	Pos KM	Pos KM
WVJU6X	Pos KM	Pos KM
WZVMCP	Pos KM, HemaTrace	Pos KM, HemaTrace
X4KNL3	Pos PTMB	Pos PTMB
XB3YXH	Pos KM	Pos KM
XFEXDH	Pos KM	Pos KM
XFYUPH	Pos Combur (TMB), KM	Pos Combur (TMB), KM
XH2NC2	Pos Visual, PTMB	Pos Visual, PTMB
XHMP9Y	Pos LMG, HemaTrace	Pos LMG, HemaTrace
XKAB2M	Pos Kastle Meyer	Pos Kastle Meyer
XKDEQC	Pos KM	Pos KM
XN9A66	Pos KM, HemaTrace	Pos KM, HemaTrace
XT3K6Q	Pos TMB, HemDirect	Pos TMB, HemDirect
XVQLH7	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
XX426K	Pos KM, HemaTrace	Pos KM, HemaTrace
XXJG3T	Pos PTMB	Pos PTMB
XZ4TVR	Pos KM	Pos KM
XZHDAU	Pos LMG	Pos LMG
XZPCVR	Pos KM	Pos KM
Y2DU23	Pos PTMB	Pos PTMB
Y2F7DY	Pos LMG	Pos LMG
Y3QFXJ	Pos KM / HemaTrace	Pos KM / HemaTrace
Y6EXVB	Pos ALS, LMG, TMB, RSID	Pos ALS, LMG, TMB, RSID
Y8H2U8	Pos KM	Pos KM
YB2ZEF	Pos KM, TMB	Pos KM, TMB
YB3LNV	Pos KM, HemaTrace	Pos KM, HemaTrace
YDT2HH	Pos KM, Thevenon-Rolland	Pos KM, Thevenon-Rolland
YE2WJV	Pos KM, HemaTrace	Pos KM, HemaTrace
YFUMUF	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
YFXM2Q	Pos KM	Pos KM
YK4HEY	Pos KM	Pos KM
YLZP7Q	Pos KM	Pos KM
YMCWHC	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
YNM3CT	Pos LMG	Pos LMG
YR7VR2	Pos PTMB	Pos PTMB
YTEKZY	Pos KM	Pos KM
YUD46R	Pos O-tol	Pos O-tol
YUT4QN	Pos KM	Pos KM
YW2TBQ	Pos KM	Pos KM
YXDJAA	Pos TMB, Takayama, RSID	Pos TMB, Takayama, RSID
YXTFLN	Pos PTMB	Pos PTMB
YY6MWP	Pos KM	Pos KM
YZUH8J	Pos TMB, HemDirect	Pos TMB, HemDirect
Z3JD2J	Pos PTMB	Pos PTMB
Z6MCVP	Pos KM	Pos KM
Z89TW4	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
Z8W73B	Pos KM	Pos KM
Z9BQTZ	Pos LMG	Pos LMG
ZA92QN	Pos TMB	Pos TMB
ZD2QMF	Pos KM	Pos KM
ZJ9NHK	Pos Phenol/KM	Pos Phenol/KM
ZK39FR	Pos PTMB	Pos PTMB
ZK48KL	Pos KM	Pos KM
ZKHUKM	Pos KM	Pos KM
ZNM9JE	Pos KM	Pos KM
ZNMTB3	Pos KM	Pos KM
ZPA24W	Pos KM, HemaTrace	Pos KM, HemaTrace
ZTHJJZ	Pos KM	Pos KM
ZV4WAA	Pos TMB, LMG, RSID, ALS	Pos TMB, LMG, RSID, ALS
ZWGA4Y	Pos KM	Pos KM
ZY8YBR	Pos KM	Pos KM
ZYNR6F	Pos KM and Combur (TMB)	Pos KM and Combur (TMB)

Table 1a: Serology Screening Response Summary - BloodParticipants: **591**

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

	Item 3	Item 4
Positive	590	591
Negative	0	0
Inconclusive	0	0
Not Tested (NT)	1	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
22PN2H	Pos AP, Micro, PSA	Neg AP, Micro, PSA
29R4YN	Pos AP, PSA	Neg AP
2BRNA2	Pos AP, Micro	Neg AP
2C8PEN	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
2CLCRW	Pos ALS, Micro	Neg ALS, Micro, PSA
2FMPMW	Pos AP, Micro	Neg AP, Micro
2GXZNM	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
2J4M4C	Pos AP, PSA, Micro	Neg AP, PSA, Micro
2MKZPL	Pos ALS, AP, PSA, Micro	Neg ALS, AP
2RCULF	Pos AP, Micro	Neg AP
2WA9FX	Pos AP, Micro, PSA	Neg AP, Micro, PSA
2WTGF7	Pos AP, PSA, Micro	Neg AP, PSA, Micro
2X3R7H	Pos AP, Micro	Neg AP
2XLRFU	Pos AP, PSA (p30), Micro, ALS	Neg AP, PSA (p30), Micro, ALS
2YJL9D	Pos AP, PSA, Micro (KPIC), ALS	Neg AP, PSA, Micro (KPIC), ALS
33F7Q9	Pos AP	Neg AP
33JZLV	Pos AP, PSA, Micro	Neg AP, PSA, Micro
33VVTU	Pos PSA, Micro	Neg ALS, AP, PSA, Micro
347T7C	Pos AP, Micro	Neg AP, Micro
36FZ96	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
38NR4L	Pos ALS, AP, Micro, PSA	Neg ALS, AP
3DQQTQ	Pos AP, PSA, Micro	Neg AP, PSA, Micro
3DVJT6	Pos AP, p30, Micro	Neg AP, p30
3H6WB3	Pos PSA, AP, Micro	Neg AP
3J6T7R	Neg ALS	Neg ALS
3JYKTY	Neg AP	Neg AP
3KTQED	Pos AP, Micro, PSA	Neg AP, Micro, PSA
3KUML3	Pos AP, Micro	Pos AP, Micro
3MXMDM	Pos AP, PSA, Micro	Neg AP, PSA, Micro
3NT6EN	Pos AP, PSA, Micro	Neg AP, PSA, Micro
3RGUGV	Pos PSA	Neg PSA
3UYRDJ	Pos AP, Micro, PSA	Neg AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
3UYWP8	Pos Micro	Neg AP, Micro
3UZ4CE	Pos AP, PSA, Micro	Neg AP, PSA, Micro
3YEGEM	Pos AP, PSA, Micro	Neg AP, PSA, Micro
3Z6PEP	Pos ALS, AP, Micro, PSA	Neg AP
3ZP3MH	Pos ALS, AP, Micro, PSA	Neg ALS, AP
44KN6P	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
44M9WY	Pos AP, Micro	NT
488CRB	Pos AP, Micro, p30	Neg AP, Micro, p30
4AQHYK	Neg AP, PSA	Neg AP, PSA
4BNYJF	Pos Micro, PSA	Neg Micro, PSA
4C33Z8	Pos AP, PSA	Neg AP, PSA
4CXTXA	Pos AP, PSA, Micro	Neg AP
4DPLWY	Pos AP, p30, Micro	Neg p30
4FFV3U	Pos ALS, AP	Neg ALS, AP
4GB32K	Pos AP, Micro	Neg AP, Micro
4GRPKF	Pos AP, Micro	NT
4GV3CH	Pos AP, PSA, Micro	Neg AP, PSA, Micro
4JGBKC	Pos AP	Neg AP
4L2HLK	Pos AP, PSA, Micro	Neg AP, PSA, Micro
4MLA2H	Pos ALS, AP, Micro	Neg ALS, AP, Micro
4NPTGK	Pos ALS, AP, Micro, PSA	Neg ALS, AP
4QW8AJ	Pos AP, PSA, Micro for Sperm	Neg AP, PSA, Micro for Sperm
4TAZJ8	Pos AP, PSA, Micro	Neg AP, PSA, Micro
62UY3N	Pos AP, PSA, Micro	Neg AP
63MQC9	Pos ALS, AP, p30, KPIC	NT
63TGHC	Pos Brentamine	Neg Brentamine
63UNVK	Pos ALS, AP, p30, Micro	Neg ALS, AP, p30, Micro
6696MJ	Pos AP, Micro, PSA	Neg AP, Micro
67M4QL	Pos AP, Micro	Neg AP, Micro
68Y7VT	Pos AP, Micro, PSA	Neg AP, Micro, PSA
6A62NN	Pos AP, PSA, Micro	Neg AP
6ALD2M	Pos AP, PSA, Micro	Neg AP
6BHN2W	Pos ALS, AP, Micro	Neg ALS, AP, Micro
6BPLMU	Pos AP, Micro	Neg AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
6EHYWW	Pos AP, Micro	Neg AP
6EV8NQ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
6FGZ6A	Pos AP, Micro, PSA	Neg AP, Micro, PSA
6GMWVK	Pos AP, Micro	Neg AP, Micro
6MT2GC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
6MTT2K	Pos AP, Micro	Neg AP, Micro
6N92ED	Pos AP	Neg AP
6QGLAM	Pos AP, Micro	Neg AP
6RC6HF	Pos ALS, AP, PSA	Neg ALS, AP, PSA
6UUW3C	Pos ALS, BCIP, p30, Microscopy	Neg ALS, BCIP, p30, Microscopy
72MABV	Pos AP, Micro	Neg AP
72TC9G	Pos AP, Micro, PSA	Neg AP, Micro, PSA
738UCM	Pos ALS, AP, Micro	Neg ALS, AP
73KK9J	Pos AP, Micro	Neg AP
74DCH6	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
74DQWK	Pos ALS, AP, Micro, PSA	Neg ALS, AP
77KH47	Pos PSA	Neg AP and PSA
7A4R2B	Neg ALS, AP	Neg ALS, AP
7BJU9J	Pos AP, PSA	NT
7CJRT6	Pos AP	
7EUVZF	Pos AP, Micro, PSA	Neg AP, Micro, PSA
7HFTCD	Pos AP, Micro, PSA	Neg AP, Micro, PSA
7MN4JL	Pos AP, Micro	Neg AP
7N83MB	Pos AP, PSA, Micro	Neg AP, PSA, Micro
7NZZQC	Pos AP, Micro	Neg AP
7PEAWQ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
7PGUT8	Pos AP, Micro, ALS, PSA	Neg AP, Micro, ALS, PSA
7PJZB8	Pos AP	Neg AP
7QG334	Pos PSA	Neg PSA
7VP9L4	Pos AP and Micro	Neg AP and Micro
7WBUWK	Pos AP, Micro	Neg AP, Micro
7Y4K3Y	Pos AP, PSA, Micro, ALS	Neg AP, PSA, Micro, ALS
7Y9JFM	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
7ZVNPE	Pos AP, Micro, PSA	Neg AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
7ZX9KV	Pos AP, Micro	Neg AP, Micro
82MKU6	Pos AP, Micro, PSA	Neg AP
8BDY3H	Pos AP, PSA, Differential DNA extraction	Neg AP
8BUB8G	Pos ALS, Micro	Neg ALS
8F8EBK	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
8GJTWD	Pos ALS, AP, PSA	Neg ALS, AP
8Q9GRF	Pos AP, PSA, DNA differential	Neg AP
8QKVNJ	Pos AP, PSA, Micro	Neg AP, PSA, Micro
8QZ6MB	Pos AP, Micro, PSA	Neg AP, Micro, PSA
8RF8UJ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
8RZ2GF	Pos AP, Micro, PSA	Neg AP, Micro, PSA
8U7WAC	Pos AP, Micro	Neg AP
8UFDX4	Pos Acid Phosphatase.PSA	Neg Acid Phosphatase.PSA
8WD9TY	Pos AP, PSA, Micro	Neg AP
8Z8P78	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
8ZAEDP	Pos ALS, AP, SS, PSA	Neg ALS, AP
92H29A	Pos AP, Micro	Neg AP
92HTCH	Pos AP, Micro, PSA	Neg AP, Micro, PSA, ALS
92YL8R	Pos AP, Micro	NT
93BTHU	Pos AP, PSA, KPIC	Neg AP, PSA, KPIC
9DEDW2	Pos AP, PSA, Micro	Neg AP, PSA, Micro
9DEVYK	Pos ALS, AP, Micro, PSA	Neg ALS, AP
9FP9NK	Pos AP, PSA, Micro	Neg AP, PSA, Micro
9H6FNM	Pos AP, Micro	Neg AP, Micro
9H9GRE	Pos ALS, AP, PSA. Micro	Neg ALS, AP
9QEZH	Pos AP, PSA, Micro	Neg AP, PSA, Micro
9RACNJ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
9RXYFU	Pos AP, Micro	Neg AP
9TM8LP	Pos ALS, AP	Neg ALS, AP
9UJVUD	Pos ALS, AP, Micro	Neg ALS, AP. Micro
9VXACU	Pos p30, Micro	Neg p30
A2DA6C	Pos AP, Micro	Neg AP
A4926P	Pos AP, Micro	Neg AP
A6C34W	Pos AP, PSA, Micro	Neg AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
A6ZGFF	Pos AP, Micro	Neg AP, Micro
A78YCQ	Pos AP, PSA, Micro	Neg AP
A7BQJR	Pos AP, PSA	Neg AP
A7NYBL	Pos PSA, AP	Neg PSA, AP
A8J4Y9	Pos AP, Micro	Neg AP
A8NGQB	Pos AP, PSA, Micro	Neg AP, PSA, Micro
A9H6A7	Neg AP	Neg AP, PSA
AB2KH8	Pos ALS, BCIP, Micro, p30	Neg ALS, BCIP
ACJ4QQ	Pos ALS, AP, PSA, Micro	Neg ALS, AP
ACVRXJ	Pos AP, Micro	Neg AP
AFHJYD	Pos ALS, AP, Micro	Neg ALS, AP, Micro
AMHKZM	Pos AP, Micro, PSA, ALS	Neg AP, Micro, PSA, ALS
AMKT4K	Pos AP, PSA	Neg AP
AR8YM9	Pos AP, PSA, Micro	Neg AP
AT7JUM	Pos AP, Micro	Neg AP
AU3Y3D	Pos AP, Micro	Neg AP
AVD2NC	Pos ALS, AP, Micro	Neg ALS, AP, Micro
AVTCE4	Pos AP, PSA, KPIC	Neg AP PSA KPIC
B372F4	Pos ALS, AP, PSA, Micro	Neg ALS, AP
B8EHVK	Pos PSA	Neg PSA
BBWKYJ	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
BD8YLX	Pos AP, Micro, PSA	Neg AP, Micro, PSA
BEH4X2	Pos AP; PSA	Neg AP;PSA
BGND7X	Pos PSA	Neg PSA
BH3FT3	Pos AP, Micro, PSA	Neg AP, Micro, PSA
BHML4A	Pos ALS, BCIP, Micro	Neg ALS, BCIP, Micro
BHVUVG	Pos AP, PSA	Neg AP
BHZPQ3	Pos AP, Micro, PSA	Neg AP, Micro, PSA
BJBLZD	Pos AP, Micro, PSA	Neg AP, Micro, PSA
BL6LJP	Inc AP, ALS	Neg AP, ALS
BLJ4AN	Pos AP, Micro	Neg AP
BLVFE	Pos ALS, AP, Micro, PSA	Neg ALS, AP
BPEDK6	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
BTDX7F	Pos AP, PSA, Micro	Neg AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
BTJYGH	Pos BCIP, PSA, Micro	Neg BCIP
BUT4TK	Pos AP, PSA, Micro	Neg AP
BWF9HN	Pos AP, Micro, psa	Neg AP
BWLFQC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
BY8QK4	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
C347QC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
C3GHR9	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
C4DWF2	Pos AP	Neg AP
C4UGG6	Pos AP, KPIC, p30	Neg AP, p30, KPIC
C7LJ4K	Pos AP, PSA, Micro	Neg AP
C8EEVM	Pos AP, PSA, Micro	Neg AP, PSA, Micro
C98XGF	Pos ALS, AP, Micro, PSA	Neg ALS, AP
C9RE82	Pos AP, PSA	Neg AP
CBDJN8	Pos AP, Micro	Neg AP
CBZY8H	Pos AP	Neg AP
CGMA3T	Pos AP, PSA, Micro	Neg AP, PSA, Micro
CHV8ZN	Pos AP, Micro	Neg AP
CHZMFA	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
CNHEQ3	Pos AP	Neg AP
CQCGXX	Pos AP, Micro	Neg AP, Micro
CR7CCT	Pos AP, p30, Micro	Neg AP, p30
CRYQHD	Pos AP, PSA, Micro	Neg AP, PSA, Micro
CWAWZ6	Pos ALS, AP, PSA, Micro	Neg ALS, AP
D28C7C	Pos AP, PSA, Micro	Neg AP, PSA, Micro
D3WVEK	Pos AP, Micro, PSA	Neg AP, Micro, PSA
D4TDGL	Pos AP, PSA, Micro	Neg AP, PSA, Micro
D7X77D	Pos PSA and Micro	Neg PSA and Micro
D7YECX	Pos ALS, AP, Micro	Neg ALS, AP, Micro
D97NFN	Pos AP, Micro	Neg AP, Micro
D9RAY7	Pos AP, PSA, Micro	Neg AP, PSA, Micro
DAXAZL	Pos AP, PSA, Micro	Neg AP, PSA, Micro
DBWT6E	Pos AP	Neg AP
DCJJZR	Pos AP, p30, Micro	Neg AP, p30, Micro
DECUZF	Pos ALS, AP, Micro, PSA	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
DGFKDM	Pos AP, Micro, PSA	Neg AP
DGGYVU	Pos Micro, AP	Neg Micro, AP
DKJFWP	Pos AP, PSA, Micro	Neg AP, PSA, Micro
DMKL74	Pos AP, Micro	Neg AP
DMLLLN	Pos AP, PSA, Micro	Neg AP
DPADCL	Pos AP, PSA	Neg AP, PSA
DRLXJA	Pos ALS, AP, PSA, Micro	Neg ALS, AP
DRY2XG	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
DUK2YH	Pos ALS, AP spot, Micro, PSA	Neg AP spot and Micro
DVYNUW	Pos AP, PSA, Micro	Neg AP, PSA, Micro
E2VQU9	Pos AP, Micro, PSA	Neg AP, Micro, PSA
E3983F	Pos AP, PSA, Micro	Neg AP, PSA, Micro
E3UMNC	Pos AP, Micro, ALS	Neg AP, Micro, ALS
E9ZTAM	Pos AP, Micro, PSA	Neg AP
EAFHNF	Pos AP, Micro, p30	Neg AP, Micro, p30
EAQLVD	Pos p30, Micro	Neg p30, Micro
EB3T7D	Pos AP, Micro, PSA	Neg AP, Micro, PSA
EB7EXM	Pos AP, Micro	Neg AP
EFYBQK	Pos ALS, AP, PSA	Neg ALS, AP, PSA
EKFLZH	Pos ALS, AP, Micro, PSA	Neg ALS, AP
ENYNXF	Pos AP, Micro	Neg AP
EQH8TZ	Pos ABACard® p30 Test, AP	Neg ABACard® p30, AP
EQKWYH	Pos AP, PSA	Neg AP, PSA
ERXZTF	Pos AP, Micro	Neg AP
EVDJP3	Pos AP, Micro, PSA	Neg AP, Micro, PSA
EVXA4G	Pos AP, Micro	Neg AP
F7ULMN	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA
F88BU8	Pos AP, PSA, Micro	Neg AP, PSA, Micro
F8KBPB	Pos AP, PSA, Micro	Neg AP
F9HYAD	Pos AP, Micro	Neg AP
FATY8T	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
FCGJ6A	Neg AP	Neg AP
FCWY4J	Pos AP, Micro	Neg AP
FELK4G	Pos AP, PSA, ALS	Neg AP, PSA, ALS

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
FG9KEB	Pos AP, Micro	Neg AP
FHHAH3	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
FHMZVX	Pos AP, PSA	Neg AP
FJTB62	Pos Micro	Neg Micro, AP
FKPNRU	Pos ALS, AP, Micro, PSA	NT
FMU8Y3	Pos ALS, Micro	Neg ALS, Micro, p30
FPKYR	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
FQ2VP7	Pos ALS, AP, Micro, p30	Neg ALS, AP
FUY4L9	Pos AP, Micro	Neg AP, Micro
FWNU78	Pos AP, Micro	Neg AP
G2R8EP	Pos AP, PSA, Micro	Neg AP
G42389	Pos AP, Micro	Neg AP
G7JH7E	Pos AP, PSA and Micro	NT
G8KJJG	Pos PSA	Neg PSA
G9QT44	Pos ALS, AP, Micro, PSA	Neg ALS, AP
GA4ZAZ	Pos AP, Micro	Neg AP, Micro
GEZL7A	Pos RSID Semen, Phosphatesmo, PSA	Neg RSID Semen, Phosphatesmo, PSA
GGLW9Z	Pos AP, p30, KPIC	Neg AP
GKPHB6	Pos ALS, AP, Micro	Neg ALS, AP, Micro
GMCGPH	Pos AP, p30, KPIC	Neg AP, p30, KPIC
GPJ EVP	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GR3XTV	Pos AP test	NT
GRPRQ6	Pos AP, Micro	Neg AP
GXD2RB	Pos AP, PSA, Micro (Sperm)	Neg AP, PSA, Micro (Sperm)
GYLJYY	Pos AP, PSA, Micro (KPIC)	Neg AP, PSA, Micro (KPIC)
H3KJBF	Pos AP, Micro	Neg AP, Micro
H4G6D3	Pos ALS, Micro	Neg ALS, Micro, p30
H8HMVA	Pos ALS, AP	NT
HCC8JK	Pos AP, PSA, Micro	Neg AP, PSA, Micro
HJU9P3	Pos AP, Micro	Neg AP, Micro
HR6XEG	Pos AP, PSA, Micro	Neg AP, PSA, Micro
HTDCLM	Pos AP, PSA, Micro	Neg AP, PSA, Micro
HU6F93	Pos AP	Neg AP
HU8Z6H	Pos AP, Micro	Neg AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
HUCQH9	Pos AP, Micro	Neg AP
HUMWEA	Pos AP, Micro	Neg AP, Micro
HXUNQ3	Pos PSA, Micro	Neg PSA, Micro
HYHNM8	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
HYLHF9	Pos ALS, AP, PSA, Micro	Neg ALS, AP
J2Z3Q8	Pos AP, Micro	Neg AP, Micro
J3WLR9	Pos AP, PSA	Neg AP
J3ZDV6	Pos ALS, AP, Micro, PSA	Neg ALS, AP
J7TNKA	Pos AP, PSA, Micro	Neg AP, PSA, Micro
J8B623	Pos AP, p30, KPIC	Neg AP, p30, KPIC
J8DBB6	Pos AP, Micro, PSA	Neg AP, Micro, PSA
JCNZQD	Pos ALS, AP, Micro	Neg ALS, AP
JF34D4	Pos AP, Micro, PSA	Neg AP
JFMP6U	Pos ALS, AP, PSA, Micro	Inc ALS, AP, PSA, Micro
JFPZWC	Pos AP, PSA, Micro	Neg AP
JJ3E94	Pos AP, Micro, PSA	Neg AP, Micro, PSA
JJ82AW	Pos AP, Micro, PSA	Neg AP, PSA
JL8XFC	Pos AP, Micro, PSA, ALS	Neg AP, ALS
JP8L27	Pos AP, PSA, Micro	Neg AP
JQ7QPF	Pos AP, Micro, PSA	Neg AP
JRGNUW	Pos AP, PSA, Micro	Neg AP, PSA, Micro
JU27XH	Pos AP, Micro	Neg AP, Micro
JVL7F8	Pos AP, PSA, Micro	Neg AP
JW9BPK	Pos PSA	Neg PSA
JYF9U7	Pos AP, Micro	Neg AP
JYGJY6	Pos PSA, Micro	Neg PSA, Micro
JZC7LR	Pos PSA, Micro	Neg PSA, Micro
K3V2MK	Pos AP, PSA, Micro	Neg AP, PSA, Micro
K8LPAY	Pos AP, Micro	Neg AP, Micro
K8NQP6	Pos AP, PSA, Micro	Neg AP, PSA, Micro
KB7R24	Pos AP, Micro, PSA	Neg AP, Micro, PSA
KF3UCC	Pos AP, ALS	Neg AP, ALS
KGFFPK	Pos AP, Micro	Neg AP
KHUWAD	Pos ALS, AP, Micro	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
KJ2U3F	Pos AP, Micro	Neg ALS, AP
KJ4UEU	Pos AP, PSA, Micro	Neg AP, PSA, Micro
KJKM7W	Pos p30	Neg p30
KKVHLB	Pos ALS, AP, Micro, PSA	Neg AP, Micro
KKWQYH	Pos AP, PSA, Micro	Neg AP
KR8VA9	Pos AP; Micro; PSA	Neg AP; Micro; PSA
KT4MHE	Neg AP	Neg AP
KTJL8Q	Pos ALS, AP, PSA	Neg ALS, AP, PSA
KUZ3Q6	Pos ALS, Micro	NT
KYBMNX	Pos AP, Micro	Neg AP
KYTGP8	Pos ALS, AP, Sperm Search, PSA	Neg ALS, AP
KZ8YTD	Pos AP, PSA, Micro	Neg AP, PSA, Micro
KZA3LA	Pos ALS, AP, Micro	Neg ALS, AP
L46BCW	Pos AP, PSA, Micro	Neg AP, PSA, Micro
L499NY	Neg p30 ABACard.	Neg p30 ABACard.
L7BACQ	Pos AP	NT
LABK8Q	Pos AP	
LCXN4A	Pos ALS, ACP, Micro	Neg ALS, ACP
LH3G7R	Pos AP, PSA, Micro	Neg AP, PSA, Micro
LKUFKQ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
LL3366	Pos AP, PSA	Neg AP, PSA
LM42AW	Pos	Neg
LMY4XV	Pos AP, p30, Micro	Neg AP
LNQ7KA	Pos PSA, Micro	Neg PSA, Micro
LP9YW7	Pos AP, Micro	Neg AP, Micro
LUZHKG	Pos AP, Micro	Neg AP
LXDP44	Pos AP, PSA, Micro	Neg AP, PSA, Micro
LZYLBU	Pos ALS, Micro, PSA, BCIP	Neg ALS, Micro, PSA, BCIP
M2CXQW	Pos AP, Micro	NT
M4JUDQ	Pos AP, PSA	Neg AP
M7PKU2	Pos AP, Micro, PSA	NT
MA4TQU	Pos ALS, AP, PSA, Micro	Neg ALS, AP
MAPWP2	Pos AP, PSA	Neg AP
MBVVDA	Pos SERATEC PSA Semiquant, RSID Semen	Neg SERATEC PSA Semiquant, RSID Semen

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
MFQJFB	Pos AP, PSA, Micro	Neg AP
MG7CBJ	Pos Ap, PSA, Micro	Neg PSA, Micro
MH4C7U	Pos AP, PSA, Micro	Neg AP, PSA
MKAALC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
MKNKC4	Pos AP, Micro	Neg AP, Micro
MLV39E	Pos AP, Micro	Neg AP
MM8C7Z	Pos ALS, AP, Micro, PSA	Neg ALS, AP
MN3U93	Pos ALS, AP, Micro, PSA	Neg ALS, AP
MRMRWR	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
MTXHA3	Pos AP, Micro	Neg AP, Micro
MVAVTB	Pos ALS, AP, Micro	Neg ALS, AP, Micro
MVLZ69	Pos AP, PSA	Neg AP, PSA
MW69PB	Pos AP, PSA	Neg AP, PSA
MXDMTB	Pos AP, Micro	Neg AP
MYJJ78	Pos AP, PSA, Micro	Neg AP, PSA, Micro
N36ZFK	Pos p30, Micro	Neg p30, Micro
N8VGLJ	Pos p30, Micro	Neg p30, Micro
N9QGQ6	Pos ALS, AP, Micro, PSA	Neg ALS, AP
NA449J	Pos AP, PSA, Micro	Neg AP, PSA, Micro
NBV7VY	Pos AP, Micro, PSA	Neg AP, Micro, PSA
NECY2C	Pos AP, Micro	Neg AP
NHUNEG	Pos AP, Seratec, KPIC	Neg AP, Seratec, KPIC
NLZK8D	Pos AP, Micro, ALS	Neg AP, Micro, ALS
NQD9X2	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA
NQDYUP	Pos AP	Neg AP
NQL9C3	Pos ALS, AP, Micro, PSA	Neg ALS, AP
NR3QQM	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
NTE3BR	Pos AP, Micro	Neg AP
NU42DA	Neg ALS, AP, Micro	Neg ALS, AP, Micro
NUN64H	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
NWFMEW	Pos AP, PSA, Micro	Neg AP, PSA, Micro
NWUDKP	Pos AP	
NWYR7N	Pos AP	Neg AP
NZBKHU	Pos AP, Micro	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
P24CUL	Pos AP	
P297VL	Pos AP, Micro	Neg AP, Micro
P2TMBN	Pos AP, Micro, PSA	Neg AP
P3JTM9	Neg AP, ALS	Neg AP, ALS
P3ZJMY	Pos AP, Micro	Neg AP, Micro
P7X3MC	Pos AP, Micro	Neg AP, Micro
P8CWC7	Pos AP, Micro, PSA	Neg AP
PAXNJ2	Pos ALS, AP, Micro	Neg ALS, AP, Micro
PCKH3N	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PDL2JX	Pos ALS, AP, Micro	Neg ALS, AP
PDY9A2	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PEXVYX	Pos AP, PSA	Neg AP
PHFY74	Inc AP	Neg AP
PHQQAY	Pos ALS, AP, Micro, PSA	Neg ALS, AP
PJKETU	Pos ALS, AP, mirco, PSA	Neg ALS, AP, Micro, PSA
PJL9CZ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
PN6KTV	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PP8RM9	Pos AP, Micro	Neg AP
PPQX72	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PQ48VY	Neg AP, p30	Neg AP, p30
PTTCUX	Pos ALS, AP, PSA, Micro	Neg ALS, AP
PVHBWG	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PVHL3D	Pos AP, Micro	Neg AP
PXZ3W4	Pos AP, PSA, Micro	Neg AP
Q3XNKZ	Pos ALS, PSA, Micro	Neg ALS, PSA
Q4ADRJ	Pos AP, PSA, KPIC	Neg AP, PSA, KPIC
Q7E4WD	Pos ALS, AP, PSA, Micro	Neg ALS, AP
Q88YGZ	Pos AP, Micro	Neg AP
Q8M498	Pos ALS, AP, PSA, Micro	Neg AP
QC7UHT	Pos RSID – Rapid Stain Identification of Semen	Neg RSID – Rapid Stain Identification of Semen
QDD4HF	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QDPYLY	Pos PSA, AP	Neg PSA, AP
QE8R2B	Pos AP, Micro	Neg AP, Micro
QH3P3M	Pos AP	NT

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
QHR7HB	Pos ALS, AP, Micro	Neg ALS, AP
QKWWKJ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QP7NK4	Pos AP, PSA	Neg AP
QPLV2E	Pos AP, Micro	Neg AP
QPPXNJ	Pos PSA	Neg PSA
QRY2HV	Pos AP, Micro, PSA	Neg AP, Micro, PSA
QTP8UE	Pos AP, Micro	Neg AP
QUXVZR	Pos AP, Micro	Neg AP
QVUWWN	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QXY462	Pos ALS, AP, Micro, PSA	Neg ALS, AP
QYXZX7	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QZQCTQ	Pos AP, PSA, Micro	Neg AP, PSA, Micro
R2B8QX	Pos ALS, AP	Neg ALS, AP
R2VD79	Pos AP, Micro	Neg AP
R48Y7V	Pos AP, Micro	Neg AP, Micro
R4BJY6	Pos ALS, AP, Micro	Neg ALS, AP, Micro
R7T2TV	Pos AP, p30, Differential	Neg AP
R9XFB9	Pos AP, Micro	Neg AP
RACVQV	Pos AP, Micro	Neg AP
RB2DJF	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
RBLUYJ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
RC4RJV	Pos ALS, AP, Micro	Neg ALS, AP
RCDKRX	Pos PSA	Neg PSA, AP
RDQ23Q	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
RGQA9L	Pos AP	
RKQ7Q7	Pos AP, Micro	Neg AP
RLGJHK	Pos AP test	NT
RNR676	Neg AP	Neg AP
RR9UTH	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
RUFryp	Pos AP, Micro, PSA	Neg AP, Micro, PSA
RUTX6L	Pos AP, Micro	Neg AP
RY8DVD	Pos AP, PSA, Micro	Neg AP, PSA, Micro
RYNMPZ	Pos p30, Micro	Neg p30, Micro
T2BN4M	Pos AP, Micro	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
T38KUM	Neg AP	Neg AP, PSA
T8F6Z3	Pos ALS, AP, p30, Micro	Neg ALS, AP, p30, Micro
TA4RGW	Pos AP, Micro	Neg AP, Micro
TA9QTX	Pos AP, Micro	Neg AP, Micro
TBH7ZY	Pos ALS, AP, Micro, PSA	Neg ALS, AP
TDK7WP	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
TEFBNH	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
TLFPC6	Pos PSA	Neg PSA
TNNEJ3	Pos AP, PSA, Micro	Neg AP, PSA
TNQKZH	Pos AP, Micro	Neg AP, Micro
TPWCAD	Pos AP, Seratec PSA, Micro	Neg AP, Seratec PSA, Micro
TW32WC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
TXHY8U	Pos AP, PSA	NT
TZ2T6U	Pos AP, Micro	Neg AP
TZWP34	Pos ALS, AP	Neg ALS, AP
U4CJEU	Pos AP, PSA	Neg AP
U7YNZT	Pos p30, Micro	Neg p30, Micro
U8BBU2	Pos ALS, AP, PSA, KPIC	Inc ALS, AP, PSA, KPIC
UAQYGT	Pos ALS, BCIP, Micro	Neg ALS, BCIP
UCP9G9	Pos AP, Micro, RSID (Semen)	Neg AP, Micro, RSID (Semen)
UD3ZAP	Pos AP, Micro	Neg AP
UEDCX2	Pos AP, PSA, Micro	Neg AP, PSA, Micro
UFT3ED	Pos Micro, PSA	Neg PSA
UHDQGK	Pos AP, PSA, Micro	Neg AP
ULAC9M	Pos AP, Micro	Neg AP, Micro
UPHY9R	Pos ALS, AP, Micro	Neg ALS, AP
UQ64EY	Pos PSA	Neg PSA
UQX3ZY	Pos AP, Micro, PSA	Neg AP
UTE9WU	Pos AP, Micro	Neg AP, Micro
UTG4VK	Pos AP, Micro	Neg AP, Micro
UTXDUD	Pos AP, Micro	Neg AP, Micro
UV6B43	Pos AP, Micro, PSA	Neg AP, Micro, PSA
UWU96Z	Pos AP, PSA, Micro	Neg AP
UWYGHT	Pos AP, PSA, KPIC	Neg AP, PSA, KPIC

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
UX3XCX	Pos ALS, AP, Micro, PSA	Neg ALS, AP
UXQWWQ	Pos ALS, Micro	Neg ALS, Micro, PSA
V2KBY7	Pos AP, Micro, PSA	Neg AP, Micro, PSA
V2KE73	Pos AP, PSA, Micro	Neg AP
V4Q2DT	Pos AP, Micro	Neg AP
V93NVJ	Pos AP, Micro, PSA	Neg AP
V97B9R	Pos AP, Micro, PSA	Neg AP, Micro, PSA
VAZGN3	Pos PSA	Neg PSA
VBAW64	Pos AP, Micro	Neg AP, Micro
VBRW2E	Pos ALS, AP, Micro	Neg ALS, AP, Micro, PSA
VBTD9Q	Pos AP, PSA, Micro	Neg AP
VC9HZ2	Pos AP, Micro	Neg AP
VCPUFL	Pos PSA, Micro, AP	Neg PSA, AP
VEVBJJ	Pos ap, Micro	Neg ap, Micro, p30
VF3X94	Pos AP, PSA, Micro	Neg AP, PSA, Micro
VGGVPM	Pos AP, Micro	Neg AP
VHWA3N	Pos AP, PSA, Micro	Neg AP, PSA, Micro
VLFFLK	Pos AP, PSA & Microscopy	Neg AP & PSA
VQMC4U	Pos ALS, AP, Micro, PSA	Neg ALS, AP
VRJD3B	Pos AP, p30, Micro	Neg AP, p30, Micro
VV4BKZ	Pos AP, Micro	Neg AP
VZDEM V	Pos AP, Micro, p30	Neg AP, Micro, p30
VZE6Z6	Pos ALS, AP, PSA, Micro	Neg ALS, AP
W3C8WK	Pos AP, PSA, Micro	Neg AP, PSA, Micro
W3ED42	Pos AP, PSA, Micro	Neg AP, PSA, Micro
W7V9VC	Pos AP, PSA, Micro	Neg AP
W92BNH	Pos AP, Micro	Neg AP, Micro
WAV2UW	Pos PSA	Neg PSA
WCZLJH	Pos AP, Micro	Neg AP, Micro
WDV6LJ	Pos AP, Micro, PSA	NT
WE66QQ	Pos AP, Micro, p30	Neg AP, Micro, p30
WF6HKQ	Pos AP, Micro	Neg AP
WH9BGB	Pos AP, p30, Micro	Neg AP, p30, Micro
WKB9PH	Pos ALS, AP, p30, KPIC-Micro	Neg ALS, AP, p30, KPIC-Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
WMRDRE	Pos PSA, AP	Neg AP
WQHVLRL	Pos AP, PSA, Micro	Neg AP, PSA, Micro
WQX4KU	Pos AP, Micro	Neg AP, Micro
WT7Q69	Pos AP, PSA, Micro	Neg AP, PSA, Micro
WTBFXR	Pos BCIP, Micro	Neg BCIP, Micro
WTRXCW	Pos AP, Micro	Neg AP
WVGA9G	Pos AP, Micro, PSA	Neg AP, Micro, PSA
WVJU6X	Pos ALS, AP, Micro	Neg ALS, AP
WZVMCP	Pos AP, Micro, PSA	Neg AP, Micro, PSA
X4KNL3	Pos AP, Micro	Neg AP
XB3YXH	Pos AP, PSA, Micro	Neg AP, PSA, Micro
XFEXDH	Pos AP, Micro	Neg AP, Micro, PSA
XFYUPH	Pos PSA, AP, Micro	Neg PSA, AP
XH2NC2	Pos AP, Micro	NT
XHMP9Y	Pos AP, Micro, PSA	Neg AP, Micro, PSA
XKAB2M	Pos ALS, Microscopic	Neg ALS, Microscopic, PSA
XKDEQC	Pos AP, PSA, Micro	Neg AP, PSA, Micro
XN9A66	Pos AP, Micro	Neg AP
XT3K6Q	Pos ALS, AP, PSA, Micro	Neg ALS, AP
XVQLH7	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
XX426K	Neg ALS, AP	Neg ALS, AP
XXJG3T	Pos AP & Micro	Neg AP
XZ4TVR	Pos AP, Micro, PSA	Neg AP, Micro, PSA
XZHDAU	Pos AP, PSA, Micro	Neg AP, PSA, Micro
XZPCVR	Pos AP, Micro, PSA	Neg AP, Micro, PSA
Y2DU23	Pos AP, Micro	Neg AP
Y2F7DY	Pos AP, Micro	Neg AP
Y6EXVB	Pos ALS, Micro, AP, RSID	Neg ALS, AP
Y8H2U8	Pos p30, KPIC	Neg p30, KPIC
YB2ZEF	Pos AP	Neg AP
YB3LNV	Pos AP, PSA, Micro	Neg AP
YDT2HH	Neg AP	Neg AP
YE2WJV	Pos AP, PSA, Micro	Neg AP
YFUMUF	Pos AP, PSA, KPIC stain/Micro	Neg AP, PSA, KPIC stain/Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
YFXM2Q	Pos AP, Micro	Neg AP, Micro
YK4HEY	Pos AP, PSA, Micro	Neg AP
YLZP7Q	Pos AP, Micro	Neg AP, Micro
YMCWHC	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
YNM3CT	Pos AP, PSA	Neg AP
YR7VR2	Neg AP	Neg AP
YTEKZY	Pos AP, PSA, Micro	Neg AP
YUT4QN	Pos AP, Micro, PSA	Neg AP, Micro
YW2TBQ	Pos AP	Neg AP
YXDJAA	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
YXTFLN	Pos AP, PSA	Neg AP
YY6MWP	Pos PSA, Micro, ALS	Neg ALS
YZUH8J	Pos AP, Sperm search, PSA	Neg AP, Sperm search, PSA
Z3JD2J	Pos AP, Micro	Neg AP
Z6MCVP	Pos ALS, PSA, Micro	Neg ALS, PSA
Z89TW4	Pos AP, PSA, Micro	Neg AP, PSA, Micro
Z8W73B	Pos ALS, AP, Micro	Neg ALS, AP, Micro
Z9BQTZ	Pos ALS, AP, PSA	Neg ALS, AP
ZA92QN	Pos AP, p30	Neg AP
ZD2QMF	Pos AP, PSA	Neg AP, PSA
ZJ9NHK	Pos PSA	Neg PSA
ZK39FR	Pos AP, Micro	Neg AP
ZK48KL	Pos ALS, AP, Micro	Neg ALS, AP
ZKHUKM	Pos PSA, Micro	Neg PSA
ZNM9JE	Pos AP, Micro, p30	Neg Micro, p30
ZNMTB3	Pos AP, PSA, Micro	Neg AP, PSA, Micro
ZPA24W	Pos AP, PSA, Micro, ALS	Neg AP, PSA, Micro, ALS
ZTHJJZ	Pos AP, PSA, Micro, ALS	Neg AP, PSA, ALS
ZV4WAA	Pos AP, RSID, Micro, ALS	Neg AP, RSID, Micro, ALS
ZWGA4Y	Pos AP, Micro	Neg AP, Micro
ZY8YBR	Pos AP, p30, Micro, ALS	Neg AP, p30, Micro, ALS
ZYNR6F	Pos AP, PSA	Neg AP, PSA

Table 1b: Serology Screening Response Summary - SemenParticipants: **574**

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

	Item 3	Item 4
Positive	556	1
Negative	16	548
Inconclusive	2	2
Not Tested (NT)	0	18
Not Reported	0	5

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
2BRNA2	Neg RSID	Neg RSID
2J4M4C	Neg Phadeabs	Neg Phadebas
2WA9FX	Neg Phadebas	Neg Phadebas
2WTGF7	Neg RSID	Neg RSID
2XLRFU	Neg Phadebas	Neg Phadebas
2YJL9D	Neg Phadebas	Neg Phadebas
33JZLV	Neg Radial Diffusion	Neg Radial Diffusion
33VVTU	Neg ALS, SALIgAE	Neg ALS, SALIgAE
3DVJT6	Neg RSID	Neg RSID
3MXMDM	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
3RGUGV	Neg RSID	Neg RSID
3UZ4CE	Neg Phadebas	Neg Phadebas
3YEGEM	Neg Phadebas	Neg Phadebas
488CRB	Neg Phadebas	Neg Phadebas
4AQHYK	Neg RSID	Neg RSID
4BNYJF	Neg RSID	Neg RSID
4C33Z8	Neg Phadebas	Neg Phadebas
4CXTXA	Neg Phadebas	Neg Phadebas
4DPLWY	Neg RSID	Neg RSID
4GV3CH	Neg Phadebas	Neg Phadebas
4MLA2H	Neg Phadebas	Neg Phadebas
63MQC9	Neg Phadebas	Neg Phadebas
68Y7VT	Neg Amylase	Neg Amylase
6MT2GC	Neg Phadebas	Neg Phadebas
6UUW3C	Neg Phadebas	Neg Phadebas
72TC9G	Neg Amylase Diffusion	Neg Amylase Diffusion
77KH47	Neg Phadebas	Neg Phadebas
7HFTCD	Neg Phadebas	Neg Phadebas
7N83MB	Neg Phadebas	Neg Phadebas
7PEAWQ	Neg SALIgAE	Neg SALIgAE
7QG334	Neg RSID Saliva	Neg RSID Saliva
7VP9L4	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
7Y4K3Y	Neg Phadebas	Neg Phadebas
8F8EBK	Neg ALS, Amylase	Neg ALS, Amylase
8Q9GRF	Neg Phadebas	Neg Phadebas
8UFDX4	Neg SALIgAE	Neg SALIgAE
93BTHU	Neg Phadebas	Neg Phadebas
9DEDW2	Neg Phadebas	Neg Phadebas
9RXYFU	Neg RSID-Saliva	Neg RSID-Saliva
9UJVUD	Neg ALS, Phadebas	Neg ALS, Phadebas
A6C34W	Neg RSID-Saliva	Neg RSID-Saliva
A7BQJR	Neg RSID	NT
A8NGQB	Neg Phadebas	Neg Phadebas
A9H6A7	Neg Phadebas	Neg Phadebas
AB2KH8	Neg Phadebas	Neg Phadebas
AFHJYD	Neg ALS, Phadebas	Neg ALS, Phadebas
AMHKZM	Neg SALIgAE	Neg SALIgAE
AU3Y3D	Neg Phadebas	Neg Phadebas
AVD2NC	Neg ALS, Phadebas	Neg ALS, Phadebas
AVTCE4	Neg Phadebus	Neg Phadebus
BBWKYJ	Neg ALS, Phadebas	Neg ALS, Phadebas
BD8YLX	Neg Phadebas	Neg Phadebas
BEH4X2	Neg Phadebas	Neg Phadebas
BH3FT3	Neg Amylase	Neg Amylase
BHVUVG	Neg RSID	Neg RSID
BUT4TK	Neg Phadebas	Neg Phadebas
BWF9HN	Neg RSID	NT
BWLFQC	Neg Phadebas	Neg Phadebas
C347QC	Neg Phadebas	Neg Phadebas
C4UGG6	Neg Phadebas	Neg Phadebas
CGMA3T	Neg Phadebas	Neg Phadebas
CHZMFA	Neg Phadebas	Neg Phadebas
CQCGXX	Neg RSID Saliva	Neg RSID Saliva
CR7CCT	NT	Neg RSID
D28C7C	Neg Amylase Diffusion	Neg Amylase Diffusion
D3WVEK	Neg Amylase	Neg Amylase

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
D4TDGL	Neg Phadebas	Neg Phadebas
D7YECX	Neg RSID	Neg RSID
D97NFN	Neg RSID Saliva	Neg RSID Saliva
D9RAY7	Neg Phadebas	Neg Phadebas
DAXAZL	Neg Phadebas	Neg Phadebas
DCJJZR	Neg RSID	Neg RSID
DKJFWP	Neg Phadebas	Neg Phadebas
DRY2XG	Neg ALS, Amylase	Neg ALS, Amylase
DUK2YH	NT	Neg SAlIgAE
EAFHNF	Neg Phadebas	Neg Phadebas
EB3T7D	Neg Phadebas	Neg Phadebas
EFYBQK	Neg RSID	Neg RSID
ENYNXF	Neg Phadebas	Neg Phadebas
ERXZTF	Neg Phadebas	Neg Phadebas
EVDJP3	Neg Phadebas	Neg Phadebas
F88BU8	Neg Phadebas	Neg Phadebas
FWNU78	Neg Phadebas	Neg Phadebas
GEZL7A	Neg RSID Saliva	Neg RSID Saliva
GGLW9Z	Neg Phadebas	Neg Phadebas
GKPHB6	Neg Phadebas	Neg Phadebas
GMCGPH	Neg Phad	Neg Phad
GYLJYY	Neg Phadebas	Neg Phadebas
HCC8JK	Neg Phadebas	Neg Phadebas
HR6XEG	Neg Phadebas	Neg Phadebas
HTDCLM	Neg Phadebas	Neg Phadebas
HXUNQ3	Neg RSID	Neg RSID
J3WLR9	Neg RSID	Neg RSID
J7TNKA	Neg Amylase	Neg Amylase
J8B623	Neg Phadebas	Neg Phadebas
JJ82AW	Neg Amylase	Neg Amylase
JL8XFC	Neg SAlIgAE	NT
JRGNUW	Neg Phadebas	Neg Phadebas
JZC7LR	Neg RSID	Neg RSID
K3V2MK	Neg RSID	Neg RSID

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
KJ2U3F	Neg Micro	NT
KJ4UEU	Neg Phadebas	Neg Phadebas
KJKM7W	Neg SAlIgAE	Neg SAlIgAE
KKVHLB	NT	Neg SAlIgAE
KR8VA9	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
KTJL8Q	Neg SAlIgAE	Neg SAlIgAE
KZ8YTD	Neg Amylase	Neg Amylase
L46BCW	Neg Phadebas	Neg Phadebas
LH3G7R	Neg Phadabas	Neg Phadabas
LMY4XV	Neg Phadebas	Neg Phadebas
LUZHKG	Neg Saliva RSID	Neg Saliva RSID
LZYLBU	Neg Phadebas	Neg Phadebas
MAPWP2	Neg Phadebas	Neg Phadebas
MG7CBJ	Neg Amylase	Neg Amylase
MH4C7U	Neg Phadebas	Neg Phadebas
MW69PB	Neg RSID	Neg RSID
MYJJ78	Neg Phadebas	Neg Phadebas
N36ZFK	Neg Amylase	Neg Amylase
NA449J	Neg Phadebas	Neg Phadebas
NHUNEG	Neg Phadebas	Neg Phadebas
NLZK8D	Pos RSID, ALS	Neg RSID, ALS
NUN64H	Neg Phadebas	Neg Phadebas
NWFMEW	Neg Phadebas	Neg Phadebas
P297VL	Neg RSID	Neg RSID
PCKH3N	Neg Phadebas	Neg Phadebas
PN6KTV	Neg Phadebas	Neg Phadebas
PQ48VY	Neg RSID Amylase	Neg RSID Amylase
PVHBWG	Neg Phadebas	Neg Phadebas
Q4ADRJ	Neg Phadebas	Neg Phadebas
Q8M498	NT	Neg SAlIgAE
QDD4HF	Neg Phadebas Test	Neg Phadebas Test
QRY2HV	Neg Phadebas	Neg Phadebas
QVUWWN	Neg Phadebas	Neg Phadebas
QZQCTQ	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
R48Y7V	Neg Phadebas	Neg Phadebas
R7T2TV	Neg Phadebas	Neg Phadebas
RACVQV	Neg RSID Saliva	Neg RSID Saliva
RUFryp	Neg Phadebas	Neg Phadebas
RY8DVD	Neg RSID-Saliva	Neg RSID-Saliva
T38KUM	Neg Phadebas	Neg Phadebas
T8F6Z3	Inc Phadebas	Inc Phadebas
TLFPC6	Neg RSID	Neg RSID
TNNEJ3	Neg Phadebas	Neg Phadebas
TNqKZH	Neg RSID	Neg RSID
TPWCAD	Neg Seratec Amylase	Neg Seratec Amylase
TW32WC	Neg Phadebas	Neg Phadebas
TXHY8U	Neg Phadebas Test	NT
TZ2T6U	Neg RSID	Neg RSID
U4CJEU	Neg RSID	Neg RSID
U8BBU2	Inc Phadebas	Inc Phadebas
UCP9G9	Neg RSID (Saliva)	Neg RSID (Saliva)
UEDCX2	Inc	Inc
UV6B43	Neg Amylase	Neg Amylase
UWYGHT	Neg Phadebas	Neg Phadebas
VAZGN3	Neg RSID	Neg RSID
VCPUFL	Neg Phadebas	Neg Phadebas
VF3X94	Neg Phadebas	Neg Phadebas
VHWA3N	Neg Phadebas	Neg Phadebas
VLFFLK	Neg Phadebas	Neg Phadebas
VRJD3B	Neg RSID	Neg RSID
VZDEMv	Neg Amylase Diffusion	Neg Amylase Diffusion
W3C8WK	Neg Phadebas	Neg Phadebas
W3ED42	Neg Amylase	Neg Amylase
W7V9VC	Neg Phadebas	Neg Phadebas
WKB9PH	Neg Phadebas	Neg Phadebas
WQHvLR	Neg Phadebas	Neg Phadebas
WT7Q69	Neg Seratec Amylase	Neg Seratec Amylase
WTRXCW	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
WZVMCP	Neg Phadebas	Neg Phadebas
XB3YXH	Neg Phadebas	Neg Phadebas
XFYUPH	Neg Phadebas	Neg Phadebas
XHMP9Y	Neg Amylase	Neg Amylase
XKDEQC	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
XN9A66	Neg RSID	Neg RSID
Y6EXVB	Neg ALS, Phadebas	Neg ALS, Phadebas
Y8H2U8	Neg Phadebas	Neg Phadebas
YFUMUF	Neg Phadebas (Amylase test)	Neg Phadebas (Amylase test)
YNM3CT	Neg RSID	Neg RSID
Z89TW4	Neg Seratec Amylase	Neg Seratec Amylase
Z8W73B	Neg RSID-Saliva	Neg RSID-Saliva
ZD2QMF	Neg Phadebas	Neg Phadebas
ZNM9JE	Neg Phadebas	Neg Phadebas
ZNMTB3	Neg Phadebas	Neg Phadebas
ZPA24W	Neg SALIgAE	Neg SALIgAE
ZV4WAA	Neg Phadebas	Neg Phadebas
ZYNR6F	Neg Phadebas	Neg Phadebas

Table 1c: Serology Screening Response Summary - Saliva		Participants: 186	
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	1	0	
Negative	178	178	
Inconclusive	3	3	
Not Tested (NT)	4	5	
Not Reported	0	0	

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
29R4YN	Pos ABACard	Pos ABACard
2CLCRW	Pos PowerQuant	Pos PowerQuant
2X3R7H	Pos HemaTrace	Pos HemaTrace
36FZ96	Pos RSID	Pos RSID
3MXMDM	Pos HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
3RGUGV	Pos PowerQuant	Pos PowerQuant
3Z6PEP	Pos HemaTrace	Pos HemaTrace
4GRPKF	Pos HemaTrace	Pos HemaTrace
4MLA2H	Pos Quant Trio	Pos Quant Trio
72TC9G	Pos HemaTrace	Pos HemaTrace
73KK9J	Pos HemaTrace	Pos HemaTrace
74DCH6	Pos RSID	Pos RSID
7BJU9J	NT	Pos ABACard HemaTrace
7EUVZF	Pos HemaTrace	Pos HemaTrace
7MN4JL	Pos HemaTrace	Pos HemaTrace
7NZZQC	Pos HemaTrace	Pos HemaTrace
7PEAWQ	Pos HemaTrace	Pos HemaTrace
7PGUT8	Pos RSID	Pos RSID
7QG334	Pos ABACard HemaTrace	Pos ABACard HemaTrace
8BDY3H	Pos ABACard	NT
8Q9GRF	Pos ABA card HemaTrace	NT
8U7WAC	Pos HemaTrace	Pos HemaTrace
8UFDX4	Pos HemaTrace	Pos HemaTrace
8Z8P78	Pos Ouchterlony Double Diffusion test	Pos Ouchterlony Double Diffusion test
9FP9NK	Pos Quantifiler TRIO	Pos Quantifiler TRIO
9HPKHY	Pos RSID Blood	NT
9UJVUD	Pos Quantifiler Trio	Pos Quantifiler Trio
A2DA6C	Pos HemaTrace	Pos HemaTrace
A78YCQ	Pos HemaTrace	Pos HemaTrace
A7BQJR	Pos PowerQuant	Pos PowerQuant
A8J4Y9	Pos HemaTrace	Pos HemaTrace
ACVRXJ	Pos HemaTrace	Pos HemaTrace
AFHJYD	Pos Quantifiler Trio	Pos Quantifiler Trio

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
AR8YM9	Pos HemaTrace	Pos HemaTrace
AVD2NC	Pos Quantifiler Trio	Pos Quantifiler Trio
BBWKYJ	NT	Inc
BWF9HN	Pos PowerQuant	Pos PowerQuant
CBDJN8	Pos HemaTrace	Pos HemaTrace
D28C7C	Pos HemaTrace	Pos HemaTrace
DGFKDM	Pos HemaTrace	Pos HemaTrace
DPADCL	Pos Promega PowerQuant	Pos Promega PowerQuant
EB3T7D	Pos Quantifiler Trio	Pos Quantifiler Trio
EFYBQK	Pos PowerQuant	Pos PowerQuant
EKFLZH	Pos HemaTrace	Pos HemaTrace
F9HYAD	Pos HemaTrace	Pos HemaTrace
FATY8T	Pos RSID	Pos RSID
FG9KEB	Pos HemaTrace	Pos HemaTrace
FPKYR	Pos RSID	Pos RSID
FUY4L9	NT	Pos HemaTrace
GKPHB6	Pos Quant Trio	Pos Quant Trio
GRPRQ6	Pos HemaTrace	Pos HemaTrace
HJU9P3	Pos HemaTrace	Pos HemaTrace
HUCQH9	Pos HemaTrace	Pos HemaTrace
HYHNM8	Pos HemaTrace	Pos HemaTrace
J7TNKA	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
JJ82AW	Pos Quant Trio	Pos Quant Trio
JP8L27	Pos HemaTrace	Pos HemaTrace
JQ7QPF	Pos RSID-Blood	Pos RSID-Blood
JYF9U7	Pos HemaTrace	Pos HemaTrace
KR8VA9	Pos Quant Trio; HemaTrace	Pos Quant Trio; HemaTrace
KTJL8Q	Pos HemaTrace	Pos Jematrace
L499NY	Pos HemaTrace ABACard.	Pos
LKUFKQ	Pos RSID	Pos RSID
LNQ7KA	Pos HemaTrace	Pos HemaTrace
M2CXQW	Pos HemaTrace	Pos HemaTrace
MAPWP2	Pos ABA HemaTrace	NT
MBVVDA	Pos RT-PCR Quantifiler Trio DNA	Pos RT-PCR Quantifiler Trio DNA
MH4C7U	Pos HemDirect, Quant Trio	Pos HemDirect, Quant Trio

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
MKNKC4	Pos HemaTrace	Pos HemaTrace
MW69PB	Pos PowerQuant	Pos PowerQuant
NR3QQM	Pos RSID	Pos RSID
NU42DA	Pos HemaTrace	
NZBKHU	Pos HemaTrace	Pos HemaTrace
P3JTM9	Pos PowerQuant	Pos PowerQuant
PEVYX	Pos ABACard HemaTrace	Pos ABACard HemaTrace
Q88YGZ	Pos HemaTrace	Pos HemaTrace
Q8M498	Pos HemaTrace	NT
QC7UHT	Pos RSID – Rapid Stain Identification of Human Blood	Pos RSID – Rapid Stain Identification of Human Blood
QKWWKJ	Pos RSID	Pos RSID
R7T2TV	Pos ABACardHemaTrace	NT
RACVQV	Pos Quant	Pos Quant
RB2DJF	Pos RSID	Pos RSID
RBLUYJ	Pos RSID	Pos RSID
RNR676	Pos quant	Pos quant
TEFBNH	Pos RSID	Pos RSID
TLFPC6	Pos PowerQuant	Pos PowerQuant
TPWCAD	Pos Seratec PMB	Pos Seratec PMB
TXHY8U	Pos ABA Card	Pos ABA Card
TZ2T6U	Pos Quant	Pos Quant
UD3ZAP	Pos HemaTrace	Pos HemaTrace
V4Q2DT	Pos HemaTrace	Pos HemaTrace
VAZGN3	Pos Quant PCR	Pos Quant PCR
VCPUFL	Pos Quant Trio	Pos Quant Trio
VGGVPM	Pos HemaTrace	Pos HemaTrace
VLFFLK	Pos Quant Trio	Pos Quant Trio
VZDEM V	Pos HemaTrace	Pos HemaTrace
WAV2UW	Pos RT-PCR	Pos RT-PCR
WF6HKQ	Pos HemaTrace	Pos HemaTrace
WMRDRE	Pos ABACard HemaTrace	Pos ABACard HemaTrace
WQHVL R	Pos Ouchterlony	Pos Ouchterlony
WT7Q69	Pos HemDirect	Pos HemDirect
XFYUPH	Pos Quant Trio	Pos Quant Trio
XVQLH7	Pos RSID	Pos RSID

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
XXJG3T	Pos HemaTrace	Pos HemaTrace
YMCWHC	Pos RSID	Pos RSID
YXDJAA	Pos RSID	Pos RSID
Z3JD2J	Pos HemaTrace	Pos HemaTrace
Z89TW4	Pos Seratec PMB	Pos Seratec PMB
ZK39FR	Pos HemaTrace	Pos HemaTrace
ZTHJJZ	Pos HemaTrace	Pos HemaTrace
ZYNR6F	Pos Quant Trio	Pos Quant Trio

Table 1d: Serology Screening Response Summary - Human Origin			Participants: 111
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	108	103	
Negative	0	0	
Inconclusive	0	1	
Not Tested (NT)	3	6	
Not Reported	0	1	

Serology Screening Results

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

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
29R4YN	Pos PlexorHY	Pos PlexorHY
2X3R7H	Pos Powerquant	NT
3MXMDM	Pos Quant Trio	Pos Quant Trio
3Z6PEP	Pos PowerQuant	NT
4BNYJF	Pos	Pos
4FFV3U	Pos Quant Trio	Pos Quant Trio
4GRPKF	Pos Powerquant	NT
6QGLAM	Pos Quant Trio	Pos Quant Trio
73KK9J	Pos PowerQuant	NT
74DCH6	Pos QF Trio	Pos QF Trio
7BJU9J	Pos Plexor HY	Pos Plexor HY
7EUVZF	Pos Powerquant	Pos Powerquant
7MN4JL	Pos Casework Direct, Power Quant	NT
7NZZQC	Pos Powerquant	Pos Powerquant
7PGUT8	Pos QF Trio	Pos QF Trio
89PJGN	Pos Quantifiler Trio	
8BDY3H	Pos Plexor® HY	Pos Plexor® HY
8BUB8G	Pos Casework Direct	Pos Casework Direct
8Q9GRF	Pos Plexor HY	Pos Plexor HY
8U7WAC	Pos PowerQuant	NT
9FP9NK	Pos Quantifiler TRIO	Pos Quantifiler TRIO
9TM8LP	Pos Quantifiler Trio	NT
9XMHGP	Pos Quant Trio	
A2DA6C	Pos Powerquant	NT
A8J4Y9	Pos PowerQuant	NT
ACVRXJ	Pos Casework Direct, PowerQuant	NT
AKXETB	Pos	Pos
BBWKYJ	NT	Inc
BV8XLK	Pos quant	
C8EEVM	Pos TRIO	Pos TRIO
CBDJN8	Pos PowerQuant	Pos PowerQuant
CBZY8H	Pos Quantifiler Duo	Pos Quantifiler Duo
DA389G	Pos Quant Trio	Pos Quant Trio
DBWT6E	Pos Quantifiler Duo	Pos Quantifiler Duo
EAFHNF	Pos NaOH lysis	Pos NaOH lysis

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
EAUGTH	Pos Quant Trio	
EB3T7D	Pos Quantifiler Trio	Pos Quantifiler Trio
EKFLZH	Pos Quant trio	NT
F9HYAD	Pos PowerQuant	Pos PowerQuant
FCGJ6A	Pos Quantifiler Duo	Pos Quantifiler Duo
FG9KEB	Pos Casework Direct, PowerQuant	NT
GRPRQ6	Pos PowerQuant	NT
H8HMVA	Pos Quantifiler Duo	Pos Quantifiler Duo
HJU9P3	Pos PowerQuant	NT
HUCQH9	Pos Casework Direct, PowerQuant	NT
HXUNQ3	Pos Y-Screening	Pos Y-Screening
J7TNKA	Pos Quant Trio	Pos Quant Trio
JJ82AW	Pos Quant Trio	Pos Quant Trio
JJRRFA	Pos Quant Trio	Pos Quant Trio
JYF9U7	Pos PowerQuant	NT
JZC7LR	Pos	Pos
KF3UCC	Pos Quant Trio	NT
KR8VA9	Pos Quant Trio	Pos Quant Trio
KTJL8Q	Pos Y Filer	Pos Y Filer
KUZ3Q6	Pos Casework Direct	NT
KYEPUB	Pos Quant Trio	Pos Quant Trio
L499NY	NT	NT HemaTrace ABACard.
M2CXQW	Pos Power Quant	NT
MAPWP2	Pos Plexor HY	Pos Plexor HY
MBVDA	Pos RT-PCR Quantifiler Trio DNA	Neg RT-PCR Quantifiler Trio DNA
MG7CBJ	Pos NaOH Male screen	Pos NaOH Male screen
MH4C7U	Pos Quant Trio	Pos Quant Trio
MKAALC	Pos TRIO	Pos TRIO
MKNKC4	Pos Casework Direct, PowerQuant	NT
N36ZFK	Pos NaOH	Pos NaOH
NR3QQM	Pos QF Trio	Pos QF Trio
NZBKHU	Pos PowerQuant	NT
PEXVYX	Pos Plexor HY QPCR	Pos Plexor HY QPCR
PHFY74	Pos Quant Duo	Pos Quant Duo
Q3XNKZ	Pos Casework Direct	Pos Casework Direct
Q88YGZ	Pos PowerQuant	NT
QKWWKJ	Pos QF Trio	Pos QF Trio

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
R7T2TV	Pos PlexorHY	Pos PlexorHY
RACVQV	Pos Quant	Pos Quant
RBLUYJ	Pos QF Trio	Pos QF Trio
TEFBNH	Pos QF Trio	Pos QF Trio
TXHY8U	Pos Plexor HY	Pos Plexor HY
TZ2T6U	Pos Quant	Pos Quant
TZWP34	Pos QUANT TRIO	Pos QUANT TRIO
UD3ZAP	Pos Casework Direct, PowerQuant	NT
UQ64EY	Pos Zygem	Pos Zygem
UQX3ZY	Pos Quantifiler Trio	Pos Quantifiler Trio
V4Q2DT	Pos Casework Direct, PowerQuant	NT
VBTD9Q	Pos TRIO	Pos TRIO
VCPUFL	Pos Quant Trio	Pos Quant Trio
VDFRXZ	Pos Quant	
VGGVPM	Pos Power Quant, Quant Trio	Pos Power Quant, Quant Trio
VLFFLK	Pos Quant Trio	Pos Quant Trio
WAV2UW	Pos Zygem	NT
WF6HKQ	Pos Powerquant	Pos Powerquant
WT7Q69	Pos Quant Trio	Pos Quant Trio
XFYUPH	Pos Quant Trio	Pos Quant Trio
XVQLH7	Pos QF Trio	Pos QF Trio
XX426K	Pos Quantifiler Y quant	Pos Quantifiler Y quant
XXJG3T	Pos PowerQuant	NT
YMCWHC	Pos QF Trio	Pos QF Trio
YMVZPD	Pos QF Trio	Pos QF Trio
YUD46R	Pos	Pos
YW2TBQ	Pos Quant Duo	Pos Quant Duo
YY6MWP	Pos Casework Direct	Pos Casework Direct
Z3JD2J	Pos Powerquant	NT
Z6MCVP	Pos Casework Direct	Pos Casework Direct
ZK39FR	Pos PowerQuant	NT
ZKHUKM	Pos Casework Direct	NT
ZNM9JE	Pos NaOH Y-Screen	Pos NaOH Y-Screen
ZV88DT	Pos Quant Trio	
ZYNR6F	Pos Quant Trio	Pos Quant Trio

Table 1e: Serology Screening Response Summary - Y ScreeningParticipants: **107**

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

	Item 3	Item 4
Positive	105	69
Negative	0	1
Inconclusive	0	1
Not Tested (NT)	2	30
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
33VVTU	Semen (AP & ALS) Neg AP, ALS	
3UYWP8	Seminal fluid Neg AP	
77KH47	Semen Neg AP	
7QG334	Meni Pos RSID Semen, ABACard p30	Meni Neg RSID Semen, ABACard p30
A9H6A7	Semen Pos PSA	
BHML4A	Amylase Neg Amylase Diffusion	Amylase Neg Amylase Diffusion
EE9Z3D	Semen Neg ALS	Semen Neg ALS
EQH8TZ	Microscopic Pos Micro	
FJTB62	seminal fluid Neg AP	
G7JH7E	biological fluids that fluoresce Inc ALS	biological fluids that fluoresce Neg ALS
JP8L27	Biological Fluids Neg ALS	Biological Fluids Neg ALS
M7PKU2	hair Neg Visual exam	hair Neg Visual exam
MG7CBJ		Semen Inc AP
N36ZFK	Semen Inc AP	Semen Inc AP
PCKH3N	ALS Inc	ALS Inc
T38KUM	Semen Pos PSA	
TPWCAD	Menstrual Blood Neg Seratec PMB	Menstrual Blood Neg Seratec PMB

TABLE 1f

WebCode	Other Screening Results			
	Item 3		Item 4	
Z89TW4	Urine, Feces, Menstrual Blood	Neg DMAC, Creatinine, Urobilinogen, Micro, and Seratec PMB	Urine, Feces, Menstrual Blood	Neg DMAC, Creatinine, Urobilinogen, Micro, and Seratec PMB
ZA92QN	Spermatozoa	Neg Microscopy		
ZNM9JE			Semen	Inc AP

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

22PN2H	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
29R4YN	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
2BRNA2	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
2CLCRW	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
2FMPMW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
2J4M4C	PowerPlex®					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

2MKZPL	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
2RCULF	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
2WA9FX	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
2WTGF7	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
2X3R7H	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
2XLRFU	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
2YJL9D	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

33F7Q9	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR				
33JZLV	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
33VVTU	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
347T7C	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
38NR4L	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
3B8ZVD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	N/A
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	N/A	N/A	14,17	6,8	8,11
	17,18	N/A	N/A	N/A	N/A	
3CGT7Z	PowerPlex® 21					
	13,15.3	17,19		16,18	12,13	12,19
1	11,12	12,16		17,18	11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

3DQQTQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
3DVJT6	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
3H6WB3	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
3J6T7R	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
3JYKTY	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
3KTQED	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
3KUML3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

3MXMDM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
3NT6EN	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
3RGUGV	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
3UYRDJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
3UYWP8	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
3UZ4CE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
3WPUKT	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

3YEGEM	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
3Z6PEP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
3ZP3MH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
44KN6P	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
44M9WY	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
488CRB	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
4AQHYK	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

4AT3QU	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
4BNYJF	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
4C33Z8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4CXTXA	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
4DPLWY	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
4FFV3U	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4FYRGE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

4GB32K	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4GRPKF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
4GV3CH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4JGBKC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
4JX3CE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4L2HLK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
4MLA2H	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Results			No Results	

TABLE 2

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

Item 1 - STR Results

4NPTGK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
4QW8AJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	No results			No results	
4TAZJ8	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
4WL8KB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
62UY3N	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
63MQC9	PowerPlex® Fusion (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
63TGHC	Verifiler Plus Amplification kit					
	13,15.3	17,19	10,12	16,18	12,13	12,19
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13.2,14.2	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

63UNVK	Investigator® 24plex GO!					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6696MJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
67M4QL	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
68Y7VT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6A62NN	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6ALD2M	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6BHN2W	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

6BPLMU	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
6EHYWW	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
6EV8NQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
6FGZ6A	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6GMWGK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6K4BWE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	-
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	-	-	14,17	6,8	8,11
	17,18	-	-	-	-	
6MT2GC	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

6MTT2K	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6N92ED	Identifiler® Plus, GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	
6QGLAM	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6RC6HF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
6UUW3C	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
6YMY7C	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
72MABV	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

72TC9G	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
738UCM	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
73KK9J	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
74DCH6	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
74DQWK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
77G4AH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
77KH47	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

7A4R2B	PowerPlex® 21					
	13,15.3	17,19		16,18	12,13	12,19
1	11,12	12,16		17,18	11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
7BJU9J	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
7CJRT6	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X	10,12
	23,24				6,8	8,11
	17,18					
7EUVZF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7HFTCD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7MN4JL	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7N83MB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

7NZZQC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7PEAWQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7PGUT8	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7PJZB8	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR				
7PXLTX	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
7QG334						
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7VP9L4	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

7WBUWK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
7Y4K3Y	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
7Y9JFM	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
7ZVNPE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
7ZX9KV	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
82MKU6	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	NID	NID	NID		
89PJGN	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

8BDY3H	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
8BUB8G	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	-
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	-	6,8	8,11
	17,18	-	-	-	-	-
8F8EBK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Result			No Result	
8GJTWD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
8Q9GRF	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
8QKVNJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
8RF8UJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	

TABLE 2

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

Item 1 - STR Results

8RZ2GF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
8U7WAC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
8UFDX4	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
8WD9TY	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
8Z8P78	Identifiler® Plus (EuroForMix)					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
8ZAEDP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
8ZCGKN	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

92H29A	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
92HTCH	GlobalFiler™ (STRmix v 2.4.06)					
	13,15.3	17,19	10,12	16,18	12,13	-
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	-	-	14,17	6,8	8,11
	17,18	-	-	-	-	-
92YL8R	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
93BTHU	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
9BQUYA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
9DEDW2	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
9DEVYK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	

TABLE 2

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

Item 1 - STR Results

9FP9NK	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
9H6FNM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
9H9GRE	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
9HPKHY	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
9QEZH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
9RACNJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
9RXYFU	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

9TM8LP	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
9UJVUD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Results			No Results	
9VXACU	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
9XMHGP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
A2DA6C	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
A4926P	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
A6C34W	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

A6ZGFF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
A78YCQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
A7BQJR	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
A7NYBL	Verifiler Plus					
	13,15.3	17,19	10,12	16,18	12,13	12,19
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18				ND	
A8J4Y9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
A8NGQB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
A9H6A7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

AB2KH8	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
ACJ4QQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ACVRXJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
AFHJYD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Results			No Results	
AKXETB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
AMHKZM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
AMKT4K	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

AR8YM9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
AT7JUM	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
AU3Y3D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
AVD2NC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Results			No Results	
AVTCE4	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
AW62N9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
B372F4	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

B8EHVK	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
BBWKYJ	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NA				
BD8YLX	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
BEH4X2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BHML4A	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	-				
BHVUVG	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BHZPQ3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	

TABLE 2

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

Item 1 - STR Results

BJBLZD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NSD			NSD	
BL6LJP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BLJ4AN	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
BLVFE	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
BP2DNF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BPEDK6	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BQVKUT	PowerPlex® Fusion (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				

TABLE 2

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

Item 1 - STR Results

BTDX7F	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	NT
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	NT	NT	14,17	6,8	8,11
	17,18	NR	NT	NT	NR	
BTJYGH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BUT4TK	PowerPlex®					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	nd				
BV8XLK	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
BWF9HN	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
BWLFQC	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
BY8QK4	Investigator® 24plex QS (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

C347QC	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
C3GHR9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
C4DWF2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
C4T3YX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
C4UGG6	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
C7LJ4K	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
C8EEVM	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

C98XGF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
C9RE82	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	NR				
CBDJN8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CBZY8H	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CEEP4D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CGMA3T	PowerPlex® 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
CHV8ZN	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

CHZMFA	PowerPlex®					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
CNFA4K	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
CNHEQ3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
CNN6ZD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CQCGXX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CR7CCT	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
CRYQHD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	NT
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	NT	NT	14,17	6,8	8,11
	17,18	NR	NT	NT	NR	

TABLE 2

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

Item 1 - STR Results

CWAWZ6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
CX2ZMK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
D28C7C	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
D4TDGL	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
D7X77D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
D7YECX	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
D9RAY7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

DA389G	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DAXAZL	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
DBWT6E	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DCJJZR	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
DECUZF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
DGFKDM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DGGYVU	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

DJZNR	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	-
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	-	6,8	8,11
	17,18	-	-	-	-	-
DKJFWP	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
DMKL74	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
DMLLN	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DPADCL	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
DRLXJA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DRY2XG	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

DUK2YH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
DVYNUW	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
E2VQU9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
E3983F	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
E3UMNC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	no results			no results	
E9ZTAM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EAFHNF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

EAQLVD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EAUGTH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EB3T7D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EB7EXM	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
EE9Z3D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EFYBQK	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
EKFLZH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

ENYNXF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EQH8TZ	PowerPlex® Fusion 6C (CODIS versión 9.0.28.280)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
EQKWYH	Verifiler Plus					
	13,15.3	17,19	10,12	16,18	12,13	12,19
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	NT	6,8	8,11
	17,18	NT	NT	NT	ND	
ERXZTF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
EVDJP3	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
EVXA4G	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
F7ULMN	GlobalFiler™ (STRMix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

F839AN	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	Not tested
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	Not tested	6,8	8,11
	17,18	ND	Not tested	Not tested	Not tested	
F88BU8	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
F8KBPB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Result			No Result	
F9HYAD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
FCGJ6A	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
FCWY4J	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
FELK4G	Verifiler Plus					
	13,15.3	17,19	10,12	16,18	12,13	12,19
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18				ND	

TABLE 2

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

Item 1 - STR Results

FG9KEB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
FHHAH3	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
FHMZVX	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	NID	NID	NID		
FJTB62	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
FMU8Y3	GlobalFiler™					
	13,15.3	[17],19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
FQ2VP7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
FUY4L9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

FWNU78	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
G2R8EP	PowerPlex® 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
G42389	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
G4Y4MU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
G7JH7E	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
G8KJJG	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
G9QT44	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

GEZL7A	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
GGLW9Z	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
GKPHB6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	no results			no results	
GMCGPH	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
GPJEVP	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
GR3XTV	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
GRPRQ6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

GXD2RB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	no result			no result	
GYLJYY	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
H3KJBF	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
H4G6D3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
H8HMVA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
HCC8JK	PowerPlex® Fusion (STRmix)					
	16,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
HJU9P3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

HR6XEG	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
HTDCLM	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
HU6F93	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
HU8Z6H	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
HUCQH9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
HUMWEA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
HXUNQ3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

HYHNM8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
HYLHF9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
J2Z3Q8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
J3WLR9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
J3ZDV6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
J7TNKA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
J8B623	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				

TABLE 2

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

Item 1 - STR Results

J8DBB6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JCNZQD	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JF34D4	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
JFMP6U	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JFPZWC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JJ3E94	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
JJ82AW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

JJRRFA	GlobalFiler™ (STRMix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JL8XFC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JP8L27	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JQ7QPF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JRGNUW	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
JU27XH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JVL7F8	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

JW9BPK	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	-	-	-		
JYF9U7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JYGJY6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
JZC7LR	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
K3V2MK	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
K8NQP6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
KAV9E8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

KB7R24	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KF3UCC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
KGFFPK	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
KHUWAD	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KJ2U3F	Investigator® 24plex (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KJ4UEU	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
KJKM7W	GlobalFiler™ (Smallpond)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18				8,11	

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 1 - STR Results

KKVHLB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KKWQYH	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KR8VA9	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR		NR		
KT4MHE	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
KTJL8Q	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KUZ3Q6	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
KYBMNX	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

KYEPUB	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KYTGP8	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
KZ8YTD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KZA3LA	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
L46BCW	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
L499NY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NA			NA	
L7BACQ	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

LABK8Q	ID+					
		17,19		16,18	12,13	
1		11,12	12,16		11,12	11,13
		12,16	13,14	28,31.2	X,X	10,12
		23,24			6,8	8,11
		17,18				
LCXN4A	GlobalFiler™ Express					
		13,15.3	17,19	10,12	16,18	12,13
1		11,12	12,16	14	17,18	11,12
		12,16	13,14	28,31.2	15,16	X
		23,24			14,17	6,8
		17,18				8,11
LH3G7R	PowerPlex® Fusion					
		13,15.3	17,19	10,12	16,18	12,13
1		11,12	12,16	14,14	17,18	11,12
		12,16	13,14	28,31.2	15,16	X,X
		23,24	11,14	10,13		6,8
		17,18	ND			8,11
LH8R9Q	GlobalFiler™					
		13,15.3	17,19	10,12	16,18	12,13
1		11,12	12,16	14,14	17,18	11,12
		12,16	13,14	28,31.2	15,16	X,X
		23,24	NA	NA	14,17	6,8
		17,18	NA	NA	NA	8,11
LL3366	Identifiler® Plus					
			17,19		16,18	12,13
1		11,12	12,16		11,12	11,13
		12,16	13,14	28,31.2	X,X	10,12
		23,24			6,8	8,11
		17,18				
LM42AW	Investigator® 24plex					
		13,15.3	17,19	10,12	16,18	12,13
1		11,12	12,16	14,14	17,18	11,12
		12,16	13,14	28,31.2	15,16	X,X
		23,24			14,17	6,8
		17,18				8,11
LMY4XV	PowerPlex® Fusion					
		13,15.3	17,19	10,12	16,18	12,13
1		11,12	12,16	14	17,18	11,12
		12,16	13,14	28,31.2	15,16	X
		23,24	11,14	10,13		6,8
		17,18	nd			8,11

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 1 - STR Results

LNQ7KA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
LP9YW7	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
LRCYNQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	NA
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	NA	NA	14,17	6,8	8,11
	17,18	NA	NA	NA	NA	
LUZHKG	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
LXDP44	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	NT
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	NT	NT	14,17	6,8	8,11
	17,18	NR	NT	NT	NR	
LZYLBU	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
M2CXQW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	

TABLE 2

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

Item 1 - STR Results

M4JUDQ	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	NR				
M7PKU2	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
MA4TQU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
MAPWP2	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
MBVVDA	PowerPlex® ESX17, PPHS16					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
MFQJFB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	
MG7CBJ	GlobalFiler™ Express (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

MH4C7U	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
MKAALC	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
MKNKC4	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
ML24L2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
MLV39E	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
MM8C7Z	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
MN3U93	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	

TABLE 2

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

Item 1 - STR Results

MRRMRWR	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
MTXHA3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
MVAVTB	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
MVLZ69	VeriFiler Plus					
	13,15.3	17,19	10,12	16,18	12,13	12,19
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18				ND	
MW69PB	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
MXDMTB	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
MYJJ78	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				

TABLE 2

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

Item 1 - STR Results

N36ZFK	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
N8VGLJ	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
N8ZTBZ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
N9QGQ6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
NA449J	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
NBV7VY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
NECY2C	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

NHUNEG	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
NLZK8D	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
NQD9X2	Investigator® 24plex GO!					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
NQDYUP	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	NR				
NQL9C3	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
NR3QQM	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
NTE3BR	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

NU42DA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
NUN64H	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
NWFMEW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
NWUDKP	ID+					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
NWYR7N	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	--
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	--	6,8	8,11
	17,18	NR	--	--	--	
NZBKHU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
P24CUL	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X	10,12
	23,24				6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

P297VL	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
P3JTM9	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
P3ZJMY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
P7X3MC	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
P8CWC7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PAXNJ2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PCKH3N	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	0				

TABLE 2

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

Item 1 - STR Results

PDL2JX	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
PDY9A2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
PEXVYX	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
PHFY74	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PHQQAY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
PJL9CZ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
PM8AXT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

PN6KTV	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PP8RM9	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
PPQX72	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	no result			no result	
PQ48VY	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PTTCUX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
PVHBWG	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
PVHL3D	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

PXZ3W4	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
Q3XNKZ	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
Q4ADRJ	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	nd				
Q7E4WD	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
Q88YGZ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
Q8M498	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
QC7UHT	PowerPlex® Fusion 6C, GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

QDD4HF	PowerPlex®					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
QDPYLY	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
QE8R2B	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
QH3P3M	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X	10,12
	23,24				6,8	8,11
	17,18					
QHR7HB	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
QKWWKJ	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
QP7NK4	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

QPLV2E	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
QRY2HV	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
QTP8UE	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
QUXVZR	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
QVUWWN	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
QXY462	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
QYXZ7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

QZQCTQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
R2B8QX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
R2VD79	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	---				
R48Y7V	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
R4BJY6	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
R7T2TV	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
R9XFB9	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

RACVQV	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RAPXDP	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	NR				
RBLUYJ	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
RC4RJV	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
RCDKRX	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
RDQ23Q	Investigator® 24plex QS (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RGQA9L	ID+					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

RKQ7Q7	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
RLGJHK	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
RNR676	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
RQWQZX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RR9UTH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RT97UX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RUFryp	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	0				

TABLE 2

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

Item 1 - STR Results

RUTX6L	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
RY8DVD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
RYNMPZ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
T2BN4M	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
T38KUM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
T76FHB	PowerPlex® Fusion (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
T8F6Z3	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				

TABLE 2

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

Item 1 - STR Results

TA4RGW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
TA9QTX	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
TBH7ZY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
TEFBNH	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
TLFPC6	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
TNNEJ3	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	nd				
TNQQZH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

TPWCAD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
TW32WC	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
TXHY8U	Identifiler® Plus					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
TZ2T6U	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
TZWP34	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
U2BFXT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,18	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
U4CJEU	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

U6FTY2	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
U7YNZT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
U8BBU2	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
UAQYGT	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UD3ZAP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UEDCX2	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
UEGHCV	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

UFT3ED	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
UHDQ GK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
ULAC9M	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	-				
UPHY9R	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
UQ64EY	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	INC				
UQX3ZY	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UTE9WU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

UTG4VK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UTXDUD	PowerPlex®					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
UV6B43	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UWU96Z	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UWYGHT	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
UX3XCX	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
V2KBY7	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	

TABLE 2

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

Item 1 - STR Results

V2KE73	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	
V4Q2DT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
V93NVJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
V97B9R	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
VAZGN3	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
VBAW64	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VBTD9Q	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

VC9HZ2	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VCPUFL	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VDFRXZ	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	NR
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	NR	NR	14,17	6,8	8,11
	17,18	NR	NR	NR	NR	
VEVBJJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VF3X94	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
VGGVPM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VHWA3N	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

VL8WH9	PowerPlex® PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
VLFFLK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VMNEWT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VN27MN	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18	NID	NID	NID	NID	
VQMC4U	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
VRJD3B	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
VV4BKZ	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

VZDEM	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VZE6Z6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
W3C8WK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
W3ED42	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
W7V9VC	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
W92BNH	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
WAV2UW	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	INC				

TABLE 2

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

Item 1 - STR Results

WCZLJH	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
WDV6LJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
WE66QQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WF6HKQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WH9BGB	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
WHLJ7J	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
WKB9PH	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				

TABLE 2

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

Item 1 - STR Results

WMRDRE	Investigator® 24plex (Genemapper)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WQHVLK	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
WQX4KU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WT7Q69	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WTBFXR	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	-				
WTRXCW	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WGA9G	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

WVJU6X	PowerPlex® Fusion 6C Direct					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
WZM8XH	Identifiler®					
		17,19		16,18	12,13	
1	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
WZVMCP	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
X4KNL3	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
X8PAHF	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
XB3YXH	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
XFEXDH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

XFYUPH	GlobalFiler™						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
	17,18						
XH2NC2	PowerPlex® Fusion						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24	11,14	10,13		6,8	8,11
	17,18						
XHMP9Y	GlobalFiler™						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24			14,17	6,8	8,11
	17,18						
XKAB2M	GlobalFiler™						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
	17,18	NR			NR		
XKDEQC	GlobalFiler™ (STRmix)						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
	17,18	NR			NR		
XN9A66	PowerPlex® Fusion 6C						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24	11,14	10,13	14,17	6,8	8,11
	17,18						
XT3K6Q	GlobalFiler™						
		13,15.3	17,19	10,12	16,18	12,13	
	1	11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24			14,17	6,8	8,11
	17,18	ND			ND		

TABLE 2

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

Item 1 - STR Results

XVQLH7	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	No Results			No Results	
XX426K	PowerPlex® PP21					
	13,15.3	17,19		16,18	12,13	12,19
1	11,12	12,16		17,18	11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
XXJG3T	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
XZ4TVR	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
XZHDAU	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
XZPCVR	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
Y2DU23	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

Y2F7DY	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
Y3QFXJ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
Y6EXVB	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
Y8H2U8	PowerPlex® 5C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
Y9QBL6	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	NT
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	NT	6,8	8,11
	17,18	ND	NT	NT	NT	
YB2ZEF	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	NR				
YB3LNV	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

YDT2HH	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YE2WJV	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YFUMUF	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
YFXM2Q	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YK4HEY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	
YLZP7Q	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YMCWHC	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

YMVZPD	GlobalFiler™ Express					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
YNM3CT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YR7VR2	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
YTEKZY	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	
YUD46R	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
YUT4QN	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
YW2TBQ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

YXTFLN		GlobalFiler™					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
		17,18					
YY6MWP		PowerPlex® Fusion 5C					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24	11,14	10,13		6,8	8,11
		17,18					
Z3JD2J		GlobalFiler™					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
		17,18	-			-	
Z6MCVP		PowerPlex® Fusion 5C					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14,14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24	11,14	10,13		6,8	8,11
		17,18					
Z89TW4		GlobalFiler™					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X,X	10,12
		23,24			14,17	6,8	8,11
		17,18					
Z8W73B		GlobalFiler™ (STRmix 2.8)					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24			14,17	6,8	8,11
		17,18					
Z9BQTZ		GlobalFiler™					
		13,15.3	17,19	10,12	16,18	12,13	
1		11,12	12,16	14	17,18	11,12	11,13
		12,16	13,14	28,31.2	15,16	X	10,12
		23,24			14,17	6,8	8,11
		17,18					

TABLE 2

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

Item 1 - STR Results

ZA92QN	PowerPlex® 21					
	13,15.3	17,19		16,18	12,13	12,19
1	11,12	12,16		17,18	11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
ZD2QMF	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	not tested
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	not tested	6,8	8,11
	17,18	not detected	not tested	not tested	not tested	
ZG6ZYN	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ZJ9NHK	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ZK39FR	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	-			-	
ZK48KL	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
ZKHUKM	PowerPlex® 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	-				

TABLE 2

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

Item 1 - STR Results

ZNM9JE	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	NR			NR	
ZNMTB3	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
ZPA24W	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ZTHJJZ	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ZV4WAA	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			ND	
ZV88DT	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
ZWGA4Y	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 1 - STR Results

ZY8YBR	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	No result			No result	
ZYNR6F	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
1	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 2 - STR Results

22PN2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
29R4YN	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
2BRNA2	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2CLCRW	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
2FMPMW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2J4M4C	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
2MKZPL	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

2RCULF	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
2WA9FX	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2WTGF7	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2X3R7H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2XLRFU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2YJL9D	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
33F7Q9	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 2 - STR Results

33JZLV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
33VVTU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
347T7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
38NR4L	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3B8ZVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	N/A
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	N/A	N/A	19,31.2	7,7	8,9
	15,19	9	N/A	N/A	2	
3CGT7Z	PowerPlex® 21					
	12,19.3	20,23		15,16	10,11	14,14
2	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
3DQQTQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

3DVJT6	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
3H6WB3	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
3J6T7R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3JYKTY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3KTQED	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3KUML3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3MXMDM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

3NT6EN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3RGUGV	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
3UYRDJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3UYWP8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3UZ4CE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3WPUKT	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
3YEGEM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

3Z6PEP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3ZP3MH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
44KN6P	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
44M9WY	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
488CRB	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4AQHYK	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
4AT3QU	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

4BNYJF	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4C33Z8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4CXTXA	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
4DPLWY	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4FFV3U	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4FYRGE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4GB32K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

4GRPKF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4GV3CH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4JGBKC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4JX3CE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4L2HLK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4MLA2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4NPTGK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

4QW8AJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4TAZJ8	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4WL8KB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
62UY3N	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
63MQC9	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
63TGHC	VERIFILER Plus AMPLIFICATION KIT					
	12,19.3	20,23	14,15	15,16	10,11	14,14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14.2,15.2	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19				2	
63UNVK	Investigator® 24plex GO!					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 2 - STR Results

6696MJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
67M4QL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
68Y7VT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6A62NN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6ALD2M	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6BHN2W	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6BPLMU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

6EHYWW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6EV8NQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6FGZ6A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6GMWGK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6K4BWE	GlobalFiler™					
	12,[19.3]	20,23	14,15	15,16	10,11	-
2	8,12	12,15	14,[15]	[19.3],[21]	9,12	[12],[13]
	15,17	14,15	31.2	11,15	X,[Y]	11,12
	22	-	-	19,[31.2]	7	[8],[9]
	15,[19]	9	-	-	2	
6MT2GC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6MTT2K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

6N92ED	Identifiler® Plus, GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6QGLAM	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
6RC6HF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6UUW3C	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6YMY7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
72MABV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
72TC9G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

738UCM	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
73KK9J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
74DCH6	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
74DQWK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
77G4AH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
77KH47	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7A4R2B	PowerPlex® 21					
	12,19.3	20,23		15,16	10,11	14,14
2	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

7BJU9J	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
7CJRT6	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
7EUVZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7HFTCD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7MN4JL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7N83MB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7NZZQC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

7PEAWQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7PGUT8	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7PJZB8	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
7PXLTX	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
7QG334	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
7VP9L4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7WBUWK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

7Y4K3Y	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
7Y9JFM	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
7ZVNPE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7ZX9KV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
82MKU6	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
89PJGN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8BDY3H	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 2 - STR Results

8BUB8G	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	-
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	-	7,7	8,9
	15,19	9	-	-	-	
8F8EBK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8GJTWD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8Q9GRF	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8QKVNJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8RF8UJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8RZ2GF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

8U7WAC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8UFDX4	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
8WD9TY	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
8Z8P78	Identifiler® Plus (EuroForMix)					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8ZAEDP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8ZCGKN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
92H29A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

92HTCH	GlobalFiler™ (STRmix v 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	-
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	-	-	19,31.2	7,7	8,9
	15,19	9	-	-	2	
92YL8R	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
93BTHU	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
9BQUYA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9DEDW2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
9DEVYK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9FP9NK	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 2 - STR Results

9H6FNM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
9H9GRE	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9HPKHY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9QEZH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
9RACNJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9RXYFU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9TM8LP	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

9UJVUD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9VXACU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9XMHGP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A2DA6C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A4926P	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6C34W	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6ZGFF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

A78YCQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A7BQJR	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
A7NYBL	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
A8J4Y9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A8NGQB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A9H6A7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AB2KH8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

ACJ4QQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ACVRXJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AFHJYD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AKXETB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AMHKZM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AMKT4K	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
AR8YM9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

AT7JUM	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AU3Y3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVD2NC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVTCE4	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
AW62N9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
B372F4	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
B8EHVK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

BBWKYJ	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
BD8YLX	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BEH4X2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BHML4A	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
BHVUVG	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BHZPQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BJBLZD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

BL6LJP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BLJ4AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
BLVFE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BP2DNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BPEDK6	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
BQVKUT	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BTDX7F	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NT
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	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

BTJYGH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BUT4TK	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BV8XLK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BWF9HN	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
BWLFQC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BY8QK4	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
C347QC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

C3GHR9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C4DWF2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C4T3YX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C4UGG6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
C7LJ4K	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C8EEVM	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
C98XGF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

C9RE82	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
CBDJN8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
CBZY8H	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CEEP4D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CGMA3T	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
CHV8ZN	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
CHZMFA	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

CNFA4K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CNHEQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CNN6ZD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CQCGXX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CR7CCT	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
CRYQHD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NT
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
CWAWZ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

CX2ZMK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
D28C7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
D4TDGL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
D7X77D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
D7YECX	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
D9RAY7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DA389G	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

DAXAZL	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DBWT6E	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
DCJJZR	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
DECUZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGFKDM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGGYVU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
DJZNR	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	-
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	-	7,7	8,9
	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 2 - STR Results

DKJFWP	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DMKL74	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
DMLLN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DPADCL	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
DRLXJA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DRY2XG	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
DUK2YH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

DVYNUW	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E2VQU9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
E3983F	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E3UMNC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E9ZTAM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EAFHNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
EAQLVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

EAUGTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EB3T7D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EB7EXM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
EE9Z3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EFYBQK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
EKFLZH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ENYNXF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

EQH8TZ	PowerPlex® Fusion 6C (CODIS versión 9.0.28.280)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
EQKWYH	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	NT	7	8,9
	15,19	NT	NT	NT	2	
ERXZTF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EVDJP3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
EVXA4G	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F7ULMN	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F839AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	Not tested
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	Not tested	7,7	8,9
	15,19	9	Not tested	Not tested	Not tested	

TABLE 2

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

Item 2 - STR Results

F88BU8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
F8KBPB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
F9HYAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FCGJ6A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FCWY4J	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
FELK4G	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
FG9KEB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

FHHAH3	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
FHMZVX	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
FJTB62	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
FMU8Y3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FQ2VP7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
FUY4L9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FWNU78	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

G2R8EP	PowerPlex® 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
G42389	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
G4Y4MU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G7JH7E	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G8KJJG	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
G9QT44	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GEZL7A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9,9			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

GGLW9Z	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
GKPHB6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GMCGPH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
GPJEVP	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
GR3XTV	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
GRPRQ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
GXD2RB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

GYLJYY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H3KJBF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H4G6D3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9		2		
H8HMVA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9		2		
HCC8JK	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HJU9P3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9		2		
HR6XEG	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

HTDCLM	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HU6F93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HU8Z6H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HUCQH9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HUMWEA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HXUNQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HYHNM8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

HYLHF9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J2Z3Q8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J3WLR9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J3ZDV6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J7TNKA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J8B623	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
J8DBB6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

JCNZQD	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JF34D4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JFMP6U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JFPZWC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ3E94	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ82AW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JJRRFA	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

JL8XFC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JP8L27	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JQ7QPF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JRGNUW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
JU27XH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JVL7F8	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
JW9BPK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

JYF9U7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JYGJY6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JZC7LR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
K3V2MK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
K8NQP6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KAV9E8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KB7R24	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

KF3UCC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KGFFPK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
KHUWAD	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KJ2U3F	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
KJ4UEU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KJKM7W	GlobalFiler™ (Smallpond)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KKVHLB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

KKWQYH	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KR8VA9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KT4MHE	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KTJL8Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KUZ3Q6	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
KYBMNX	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KYEPUB	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

KYTGP8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZ8YTD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZA3LA	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
L46BCW	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
L499NY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
L7BACQ	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
LABK8Q	ID+					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 2 - STR Results

LCXN4A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
LH3G7R	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
LH8R9Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NA
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9
	15,19	9	NA	NA	2	
LL3366	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
LM42AW	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
LMY4XV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
LNQ7KA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

LP9YW7	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LRCYNQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NA
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9
	15,19	9	NA	NA	2	
LUZHKG	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LXDP44	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NT
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
LZYLBU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
M2CXQW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
M4JUDQ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

M7PKU2	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MA4TQU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MAPWP2	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MBVDA	PowerPlex® ESX17,PPHS16					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19					
MFQJFB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MG7CBJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MH4C7U	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 2 - STR Results

MKAALC	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
MKNKC4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ML24L2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MLV39E	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MM8C7Z	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MN3U93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MRRMRWR	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 2 - STR Results

MTXHA3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
MVAVTB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
MVLZ69	VeriFiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
MW69PB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
MXDMTB	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MYJJ78	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
N36ZFK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

N8VGLJ	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
N8ZTBZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
N9QGQ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NA449J	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NBV7VY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NECY2C	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NHUNEG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

NLZK8D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
NQD9X2	Investigator® 24plex GO!					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
NQDYUP	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NQL9C3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NR3QQM	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
NTE3BR	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NU42DA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

NUN64H	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NWFMEW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NWUDKP	ID+					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
NWYR7N	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	--
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	--	7	8,9
	15,19	9	--	--	--	
NZBKHU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P24CUL	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
P297VL	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

P3JTM9	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
P3ZJMY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P7X3MC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P8CWC7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PAXNJ2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PCKH3N	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
PDL2JX	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

PDY9A2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PEXVYX	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
PHFY74	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PHQQAY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PJL9CZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PM8AXT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PN6KTV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

PP8RM9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PPQX72	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PQ48VY	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
PTTCUX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PVHBWG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PVHL3D	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PXZ3W4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

Q3XNKZ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Q4ADRJ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Q7E4WD	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Q88YGZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Q8M498	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QC7UHT	PowerPlex® Fusion 6C, GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15	2	
QDD4HF	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

QDPYLY	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
QE8R2B	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QH3P3M	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
QHR7HB	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
QKWWKJ	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QP7NK4	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
QPLV2E	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	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 2 - STR Results

QRY2HV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QTP8UE	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
QUXVZR	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
QVUWWN	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
QXY462	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QYXZX7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QZQCTQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

R2B8QX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R2VD79	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
R48Y7V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R4BJY6	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R7T2TV	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
R9XFB9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RACVQV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

RAPXDP	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RBLUYJ	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
RC4RJV	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
RCDKRX	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RDQ23Q	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
RGQA9L	ID+					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RKQ7Q7	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

RLGJHK	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RNR676	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
RQWQZX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RR9UTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RT97UX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RUFryp	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
RUTX6L	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

RY8DVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RYNMPZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
T2BN4M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
T38KUM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
T76FHB	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
T8F6Z3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TA4RGW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

TA9QTX	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
TBH7ZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TEFBNH	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
TLFPC6	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
TNNEJ3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TNQQZH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TPWCAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

TW32WC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TXHY8U	Identifiler® Plus					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
TZ2T6U						
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TZWP34	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U2BFXT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
U4CJEU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U6FTY2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

U7YNZT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U8BBU2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UAQYGT	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UD3ZAP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UEDCX2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UEGHCV	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
UFT3ED	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

UHDQ GK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ULAC9M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
UPHY9R	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
UQ64EY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				
UQX3ZY	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UTE9WU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UTG4VK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

UTXDUD	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
UV6B43	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWU96Z	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWYGHT	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UX3XCX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V2KBY7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
V2KE73	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

V4Q2DT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
V93NVJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V97B9R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VAZGN3	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
VBAW64	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VBTD9Q	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
VC9HZ2	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

VCPUFL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VDFRXZ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	NR
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	NR	NR	19,31.2	7	8,9
	15,19	9	NR	NR	2	
VEVBJJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VF3X94	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
VGGVPM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VHWA3N	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VL8WH9	PowerPlex® PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

VLFFLK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VMNEWT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VN27MN	PowerPlex® Fusion 6C, FlexPlex 27					
	12,19.3	20,23	14,15	15,16	10,11	14
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
VQMC4U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VRJD3B	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
VV4BKZ	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VZDEM V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

VZE6Z6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3C8WK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3ED42	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W7V9VC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
W92BNH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,[15]	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WAV2UW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				
WCZLJH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 2 - STR Results

WDV6LJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WE66QQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WF6HKQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WH9BGB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
WHLJ7J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WKB9PH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
WMRDRE	Investigator® 24plex (Genemaper)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 2 - STR Results

WQHVLK	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WQX4KU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WT7Q69	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WTBFXR	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
WTRXCW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WGA9G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WVJU6X	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 2 - STR Results

WZM8XH	Identifiler®					
		20,23		15,16	10,11	
2	8,12	12,15			9,12	12,13
	15,17	14,15	31,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
WZVMCP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
X4KNL3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
X8PAHF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XB3YXH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
XFEXDH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XFYUPH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

XH2NC2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
XHMP9Y	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XKAB2M	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XKDEQC	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XN9A66	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
XT3K6Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XVQLH7	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

XX426K	PowerPlex® PP21					
	12,19.3	20,23		15,16	10,11	14,14
2	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
XXJG3T	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZ4TVR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZHDAU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZPCVR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Y2DU23	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
Y2F7DY	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

Y3QFXJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Y6EXVB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Y8H2U8	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Y9QBL6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	NT
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	NT	7,7	8,9
	15,19	9	NT	NT	NT	
YB2ZEF	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YB3LNV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YDT2HH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

YE2WJV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YFUMUF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YFXM2Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YK4HEY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YLZP7Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YMCWHC	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YMVZPD	GlobalFiler™ Express					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

YNM3CT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YR7VR2	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YTEKZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YUD46R	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YUT4QN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YW2TBQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YXTFLN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

YY6MWP	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Z3JD2J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Z6MCVP	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Z89TW4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Z8W73B	GlobalFiler™ (STRmix 2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Z9BQTZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZA92QN	PowerPlex® 21					
	12,19.3	20,23		15,16	10,11	14,14
2	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 2 - STR Results

ZD2QMF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	not tested
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	not tested	7,7	8,9
	15,19	9	not tested	not tested	not tested	
ZG6ZYN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZJ9NHK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZK39FR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.3,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZK48KL	PowerPlex® Fusion 6C Direct					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZKHUKM	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
ZNM9JE	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

ZNMTB3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
ZPA24W	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZTHJJZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZV4WAA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZV88DT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZWGA4Y	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZY8YBR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

ZYNR6F	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
2	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

3JYKTY	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
3UYWP8	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
3WPUKT	PowerPlex® Fusion 6C					
	12,[13],[15.3],19.3	[17],[19],20,23	[10],[12],14,15	15,16,[18]	10,11,[12],[13]	
3	8,[11],12	12,15,[16]	14,15	[17],[18],19,3,21	9,[11],12	[11],12,13
	[12],15,[16],17	[13],14,15	[28],31.2	11,15,[16]	X,Y	[10],11,12
	22,[23],[24]	11,14	8,[10],11,[13]	[14],[17],19,31.2	[6],7,[8]	8,9,[11]
	15,[17],[18],19	9	16	15		
4AQHYK	Investigator® 24plex (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],12,13	
3	[8],11,12	12,16	14	17,18,[19.3],[21]	[9],11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
4AT3QU	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
4FYRGE	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4JX3CE	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

63TGHC	Verifiler Plus Amplification kit					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	16,18	10,11,12,13	12,14,19
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16	13.2,14.2,15.2	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,11
	15,17,18,19				2	
6YMY7C	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
77G4AH	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,17,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
7A4R2B	PowerPlex® 21 (STRmix v2.7.0)					
	12,13,15.3,19.3	17,19,20,23		15,16,18	10,11,12,13	12,14,19
3	8,11,12	12,15,16		17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					
7CJRT6	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
8BUB8G	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	-
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	-	6,7,8	8,9,11
	15,17,18,19	9	-	-	-	
9BQUYA	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

AW62N9	GlobalFiler™					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,14	17,18,19,3,21	9,11,12	11,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
CX2ZMK	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
GR3XTV	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
KJKM7W	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,--	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
KT4MHE	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
KUZ3Q6	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
L499NY	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

L7BACQ	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
LABK8Q	ID+					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
MBVVDA	PowerPlex® ESX17,PPHS16					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19					
N8ZTBZ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
NU42DA	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
NWUDKP	ID+					
		17,19,20,23		15,16,16,18	10,11,12,13	
3	8,11,12,12	12,12,15,16			9,11,12,12	11,12,13,13
	12,15,16,17	13,14,14,15	28,31.2,31.2,31.2		X,Y,X,X	10,11,12,12
	22,22,23,24				6,8,7,7	8,8,9,11
	15,17,18,19					
P24CUL	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3 - STR Results

P3JTM9	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,18	10,11,12,13	
3	8,[9],11,12	[10],12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,[31],31.2	11,12,15,16	X,Y	10,11,12
	22,23,24	10,11,14	8,10,11,13	14,17,19,[21],31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
PM8AXT	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
PQ48VY	Investigator® 24plex (STRmix)					
	(12),13,15.3,(19.3)	17,19,(20,23)	10,12,(14,15)	(15),16,18	(10),12,13	
3	(8),11,12	12,(15),16	14,(15)	17,18,(19,3,21)	(9),11,12	11,13
	12,(15),16,(17)	13,14,(15)	28,31.2	(11),15,16	X,(Y)	10,12
	(22),23,24			14,17,(19,31.2)	6,(7),8	8,(9),11
	(15),17,18,(19)	(9)				
Q3XNKZ	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
QC7UHT	PowerPlex® Fusion 6C, GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15	2	
QH3P3M	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
RAPXDP	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	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

RGQA9L	ID+					
		17,19,20,23		15,16,18	10,11,12,13	
3		8,11,12	12,15,16		9,11,12	11,12,13
		12,15,16,17	13,14,15	28,31.2	X,Y	10,11,12
		22,23,24			6,7,8	8,9,11
		15,17,18,19				
RLGJHK	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3		8,11,12	12,15,16		9,11,12	11,12,13
		12,15,16,17	13,14,15	28,31.2	X,Y	10,11,12
		22,23,24			6,7,8	8,9,11
		15,17,18,19				
RNR676	PowerPlex® Fusion 6C (STRmix)					
		[12],13,15.3,[19.3]	17,19,[20],[23],[25]	10,[11],12,[14],[15]	[15],16,18	[10],[11],12,13
3		[8],[9],11,12	12,[15],16	14,[15]	17,18,[19.3],[20],[21]	[9],11,12
		12,[15],16,[17]	13,14,[15]	28,[31],31.2	[11],[12],15,16	X,Y
		[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8
		[15],17,18,[19]	[9]	[16]	[15]	8,[9],11
RQWQZX	GlobalFiler™					
		12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13
3		8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12
		12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y
		22,23,24			14,17,19,31.2	6,7,8
		15,17,18,19	9			2
RT97UX	GlobalFiler™					
		12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13
3		8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12
		12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y
		22,23,24			14,17,19,31.2	6,7,8
		15,17,18,19	9			2
U2BFXT	GlobalFiler™					
3						
WHLJ7J	GlobalFiler™					
		12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13
3		8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12
		12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y
		22,23,24			14,17,19,31.2	6,7,8
		15,17,18,19	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

XX426K	PowerPlex® PP21 (STRmix 2.7)					
	12,13,15.3,19.3	17,19,20,23		15,16,18	10,11,12,13	12,14,19
3	8,11,12	12,15,16		17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					
Y3QFXJ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YDT2HH	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YR7VR2	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
YY6MWP	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
Z6MCVP	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
ZKHUKM	PowerPlex® 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	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 3e - STR Results

22PN2H	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],31.2	6,7,8	8,[9],11
	15,17,18,19	[9]			2	
29R4YN	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
2BRNA2	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
2CLCRW	PowerPlex® Fusion 6C (STRmix v2.8)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	[10],12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17],[19]	13,14,[15]	28,31.2	[11],[12],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[21],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]	[16]	[15]		
2FMPMW	GlobalFiler™ (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
2J4M4C	PowerPlex®					
	13,15.3	17,19	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	15,16	X	10,12
	22,23,24	11,14	8,10,13		6,7,8	8,11
	17,18					
2MKZPL	PowerPlex® Fusion 6C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]	[16]	[15]		

TABLE 2

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

Item 3e - STR Results

2RCULF	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3	17,19	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18	11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,13		6,[7],8	8,11
	17,18					
2WA9FX	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
2WTGF7	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9	16	15		
2X3R7H	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,[23]	10,12,14,[15]	15,16,18	11,12,13	
3e	8,11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
2XLRFU	PowerPlex® Fusion 5C					
	[12],13,15.3	17,19,[20],[23]	10,12,[14]	[15],16,18	[10],[11],12,13	
3e	11,12	12,16	14	17,18	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,11
	[15],17,18	ND				
2YJL9D	PowerPlex® Fusion 5C					
	12,13,15.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,13		6,7,8	8,9,11
	15,17,18,19					
33F7Q9	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12	15,16,18	12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,12,13
	12,15,16,17	13,14	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	10,13		6,7,8	8,11
	17,18,19	NR				

TABLE 2

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

Item 3e - STR Results

33JZLV	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,(11),12,14,15	15,16,18	10,11,12,13	
3e	8,(9),11,12	(10),12,15,16	14,15	17,18,19.3,(20),21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
33VVTU	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
347T7C	GlobalFiler™ (STRmix v2.5.11)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
38NR4L	GlobalFiler™					
	[12],13,15.3,[19.3]	17,[19],[23]	10,12,[15]	[15],16,18	[11],12,13	
3e	11,12	12,[15],16	14	17,18	11,12	11,[12],[13]
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	X,[Y]	10,12
	[22],23,24			14,17	6,[7],8	8,[9],11
	17,18	ND			[2]	
3B8ZVD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	N/A
3e	[8],11,12	12,15,16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,X,[X],[Y]	10,[11],12
	22,23,24	N/A	N/A	14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]	N/A	N/A	[2]	
3CGT7Z	PowerPlex® 21					
	12,13,15.3,19.3	17,19,20,23		15,16,18	10,11,12,13	12,14,19
3e	8,11,12	12,15,16		17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					
3DQQTQ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,15,16	X,Y	10,11,12,14
	22,23,24			14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	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

3DVJT6	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
3H6WB3	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
3J6T7R	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,23	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,9,11
	[15],17,18,[19]	[9]			[2]	
3KTQED	GlobalFiler™					
	12,13,15.3,(19.3)	17,19,20,(23)	10,12,14,15	15,16,18	(10),11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,(19.3),(21)	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	(11),(12),15,16	X,Y	10,(11),12
	22,23,24			14,17,(19),(31.2)	6,7,8	8,(9),11
	(15),17,18,(19)	(9)			(2)	
3KUML3	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
3MXMDM	GlobalFiler™ (STRmix v2.4.06)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
3NT6EN	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,18,19,21,31.2	6,7,8	8,9,11
	15,17,18,19	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

3RGUGV	PowerPlex® Fusion 6C (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]	[16]	[15]		
3UYRDJ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	10,[11],12,13	
3e	8,11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
3UZ4CE	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			2	
3YEGEM	PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND,[9]				
3Z6PEP	GlobalFiler™					
	[12],13,15.3,19.3	17,19,[20],[23]	10,12,14,[15]	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
3ZP3MH	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,[23]	10,12,14,15	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			[2]	
44KN6P	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23,[25]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	[10],12,15,16	14,15	17,18,19.3,[20],21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[20],31.2,[32.2]	6,7,8,[9.3]	8,9,11
	15,17,18,19	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

44M9WY	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18					
488CRB	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12,14
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4BNYJF	PowerPlex® Fusion 6C					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
4C33Z8	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
4CXTXA	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
4DPLWY	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
4FFV3U	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13,14	
3e	8,9,11,12	12,15,16	14	17,18,19,3	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,21,31.2	6,7,8	8,11
	15,17,18,19	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

4GB32K	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4GRPKF	GlobalFiler™					
	[12],13,15.3	17,19	10,12,[14],[15]	16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	[8],[11]
	[15],17,18,[19]	9			2	
4GV3CH	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
4JGBKC	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14,[15]	28,31.2	[11],15,16	X,Y	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	[15],17,18,19	[9]			[2]	
4L2HLK	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4MLA2H	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	8,11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,12,13
	12,[15],16,[17]	13,14,15	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
4NPTGK	GlobalFiler™					
	[11],13,15.3,[19.3]	17,19	10,12,[15]	16,18	[10],11,12,13	
3e	[8],11,12	12,16	14	17,18,[21]	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,[Y]	10,12
	23,24			14,17	6,[7],8	8,11
	[15],17,18	[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

4QW8AJ	GlobalFiler™ (STRmix 2.4)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4TAZJ8	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,[25]	10,[11],12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	[10],12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17,[19]	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,[15],17,19,[30.2],31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
4WL8KB	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,14,15	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16,[17]	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
62UY3N	GlobalFiler™ (STRmix)					
	13,15.3	17,19,23	10,12,14	15,16,18	10,12,13	
3e	8,11,12	12,15,16	14	17,18	9,11,12	11,12,13
	12,15,16	13,14	28,31.2	15,16	X	10,11,12
	22,23,24			14,17	6,7,8	8,11
	15,17,18				2	
63MQC9	PowerPlex® Fusion (STRmix)					
	13,15.3	17,19,23	10,12	15,16,18	12,13	
3e	11,12	12,16	14	17,18	9,11,12	11,12,13
	12,16	13,14	28,31.2	11,15,16	X,X	10,11,12
	22,23,24	11,14	10,13		6,8	8,11
	17,18,19					
63UNVK	Investigator® 24plex QS					
	11,12,13,15.3,19.3	17,19,20,23,25	10,11,12,13,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	10,12,15,16	14,15	17,18,19.3,20,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,30,31,31.2	11,12,15,16	X,Y	10,11,12,14
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
6696MJ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

67M4QL	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
68Y7VT	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6A62NN	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6ALD2M	GlobalFiler™ (STRmix)					
	13,15.3	17,19,20	10,12,15	15,16,18	12,13	
3e	11,12	12,15,16	14	17,18	9,11,12	11,12,13
	12,15,16	13,14,15	28,31.2	15,16	X	10,12
	22,23,24			14,17	6,7,8	8,11
	17,18					
6BHN2W	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
6BPLMU	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
6EHYWW	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	16,18	10,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	15,16	X,Y	10,12
	22,23,24	11,14	8,10,13		6,7,8	8,9,11
	15,17,18,19	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 3e - STR Results

6EV8NQ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,[21]	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6FGZ6A	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6GMWGK	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6K4BWE	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	-
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	-	-	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,[19]	9	-	-	2	
6MT2GC	PowerPlex® Fusion					
	12,13,15.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	11,12	12,15,16	14,15	17,18,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					
6MTT2K	GlobalFiler™ (strmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
6N92ED	Identifiler® Plus, GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18	NM			NM	

TABLE 2

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

Item 3e - STR Results

6QGLAM	Investigator® 24plex QS (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
6RC6HF	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	[15],16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,19,3,21	9,11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
6UUW3C	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,[14],15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,19,3,21	[9],11,12	11,[12],13
	12,15,16,17	13,14,15	28,31.2	[11],15,16	X	10,[11],12
	22,23,24	11,14	[8],10,[11],13		6,7,8	8,9,11
	[15],17,18,[19]	[9]				
72MABV	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	10,11,13		6,7,8	8,9,11
	17,18,19	9				
72TC9G	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
738UCM	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	16,17,18,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,10,11,12	12,15,16	13,14,15	17,18,19,3,21	9,10,11,12,13	11,12,13
	12,15,16,17	12,13,14,15	27,28,30,2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	22,23,24	10,11,13,14	8,10,11,12,13	14,17,19,31.2	6,7,8	8,9,10,11
	15,17,18,19	9	16	15		
73KK9J	GlobalFiler™					
	13,15.3	17,19,[20]	10,12,[14],[15]	[15],16,18	12,13	
3e	11,12	12,[15],16	14	17,18,[19.3],[21]	11,12	11,[12],13
	12,16	13,14	28,31.2	15,16	X	10,12
	[22],23,24			14,17	6,[7],8	8,11
	17,18	-			2	

TABLE 2

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

74DCH6	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23,25]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8,9],11,12	12,[15],16	14,14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11,12],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17,[19,21,31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
74DQWK	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],[23]	10,12,14,[15]	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			2	
77KH47	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
7BJU9J	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
7EUVZF	GlobalFiler™					
	13,15.3,[19.3]	17,19,[20],[23]	10,12,[15]	15,16,18	[10],12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3]	11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19]	6,[7],8	8,[9],11
	17,18	9			2	
7HFTCD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19,31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
7MN4JL	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,15,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,Y	10,[11],12
	22,23,24			14,17,[19,31.2]	6,7,8	8,11
	[15],17,18,[19]				2	

TABLE 2

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

Item 3e - STR Results

7N83MB	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],23	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[21]	11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]					
7NZZQC	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,14,[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,Y	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,11
	[15],17,18,[19]	9			2	
7PEAWQ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
7PGUT8	GlobalFiler™					
	[11],[12],13,15.3,[19.3]	17,19,[20],[23],[25]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],[9],11,12	[10],12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12,[13]	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,[15],17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
7PJZB8	GlobalFiler™ (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
7PXLTX	PowerPlex® Fusion 5C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,29,29.2,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
7QG334	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 3e - STR Results

7VP9L4	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,23	10,11,12,14	15,16,17,18	10,11,12,13	
3e	8,10,11,12	11,12,15,16	13,14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30.2,31.2	11,14,15,16	X,Y	10,11,12
	22,23,24			14,16,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
7WBUWK	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
7Y4K3Y	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,11
	[15],17,18,[19]	[9]				
7Y9JFM	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,14,15,16,17	X,Y	10,11,12
	22,23,24	11,14	8,10,11,12,13,[INC]	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
7ZVNPE	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	11,[12],15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	15,17,18,[19]	[9]			2	
7ZX9KV	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
82MKU6	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9	16	15		

TABLE 2

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

Item 3e - STR Results

89PJGN	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,11**,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,10**,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
8BDY3H	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
8F8EBK	GlobalFiler™ (STRmix 2.4)					
	12,13,15.3,19.3	16,17,18,19,20,22,23	9,10,11,12,13,14,15	14,15,16,17,18	10,11,12,13	
3e	8,10,11,12	11,12,15,16	13,14,15	16,17,18,19.3,21	9,10,11,12,13	10,11,12,13
	11,12,14,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	21,22,23,24			14,17,19,31.2	5,6,7,8	8,9,11
	15,16,17,18,19	9			2	
8GJTWD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,23	10,12,[14],[15]	[15],16,18	10,11,12,13	
3e	8,11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,9,11
	[15],17,18,[19]	[9]			[2]	
8Q9GRF	Identifiler® Plus					
		17,19,20,23		15,16,18	12,13	
3e	8,11,12	12,15,16			9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2		X	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
8QKVNJ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
8RF8UJ	GlobalFiler™					
	[11],12,13,15.3,19.3	17,19,20,23,[25]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,[9],11,12	12,15,16	14,15	17,18,19.3,[21]	9,11,12	11,12,13
	12,15,16,17	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8,[9.3]	8,[9],11
	15,17,18,19	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

8RZ2GF	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
8U7WAC	GlobalFiler™					
	12,13,[15.3],19.3	[17],19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,[18],19.3,21	9,11,12	[11],12,13
	12,15,16,17	13,14,15	[28],31.2	11,15,16	X,Y	[10],11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,[11]
	15,17,18,19	9			2	
8UFDX4	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
8WD9TY	PowerPlex® Fusion 6C (STRmix v 2.5)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
8Z8P78	Identifiler® Plus (EuroForMix)					
		17,19,[20,23]		[15],16,18	[10,11],12,13	
3e	11,12	12,[15],16			[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2		X,[Y]	10,[11],12
	[22],23,24				6,[7],8	8,[9],11
	[15],17,18,[19]					
8ZAEDP	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
8ZCGKN	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[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

92H29A	GlobalFiler™ (STRmix v. 1.5)					
	11,12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12,14
	22,23,24			14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
92HTCH	GlobalFiler™ (STRmix v 2.4.06)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	-
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	-	-	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	-	-	2	
92YL8R	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
93BTHU	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,13		6,7,8	8,11
	15,17,18,19	ND				
9DEDW2	PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,11
	[15],17,18,[19]	[9]				
9DEVYK	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,[14],15	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,16	13,14,[15]	28,31.2	11,15,16	X,Y	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
9FP9NK	Investigator® 24plex QS (STRmix v2.9.1)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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 3e - STR Results

9H6FNM	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
9H9GRE	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,18,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	13,14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	12,13,14,15	28,31.2	11,14,15,16	X,Y	10,11,12
	22,23,24	10,11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,10,11
	15,17,18,19	9	16	15		
9HPKHY	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	16,18	10,12,13	
3e	11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
9QEZH	GlobalFiler™ (STRmix)					
	11,12,13,15.3,19.3	16,17,18,19,20,22,23,25	9,10,11,12,13,14,15	14,15,16,17,18	10,11,12,13	
3e	8,10,11,12	10,11,12,15,16	13,14,15	16,17,18,19,3,20,21	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,12,14,15,16,17	X,Y	9,10,11,12,14
	21,22,23,24			14,15,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,16,17,18,19	9			2	
9RACNJ	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,23	10,12,[14],[15]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			[2]	
9RXYFU	PowerPlex® Fusion 6C (STRmix V2.6)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
9TM8LP	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

9UJVD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	8,11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,12,13
	12,[15],16,[17]	13,14,15	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
9VXACU	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
9XMHGP	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,22**,23,25	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	8,9**,11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24,[25**]			14,17,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
A2DA6C	GlobalFiler™					
	13,15.3	17,19,[20],[23]	10,12,[15]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3]	[9],11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	15,16	X	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,11
	[15],17,18,[19]	9			-	
A4926P	GlobalFiler™					
	13,15.3	17,19,20,23	10,12,14,15	15,16,18	10,12,13	
3e	8,11,12	12,16	14	17,18,21	9,11,12	11,12,13
	12,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18	9			2	
A6C34W	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9			2	
A6ZGFF	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

A78YCQ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,23	10,12,[14],[15]	[15],16,18	10,11,12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
A7BQJR	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
A7NYBL	(Verifiler Plus)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	12,[14],19
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]				[2]	
A8J4Y9	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,[17]	13,14,15	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
A8NGQB	GlobalFiler™					
	13,15.3	17,19	10,12,[14],[15]	[15],16,18	[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3]	[9],11,12	11,[12],13
	12,[15],16	13,14,[15]	28,31.2	15,16	X,[Y]	10,12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,11
	[15],17,18,[19]				2	
A9H6A7	GlobalFiler™					
	[12],13,15.3	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
AB2KH8	PowerPlex® Fusion 5C (STRmix)					
	[12],13,15.3,[19.3]	17,19,20,23	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,7,8	8,9,11
	[15],17,18,[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 3e - STR Results

ACJ4QQ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
ACVRXJ	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],23	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19,3,21]	9,11,12	11,[12],13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
AFHJYD	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
AKXETB	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
AMHKZM	GlobalFiler™ (STRmix)					
	13	17,19	10,12	16,18	12,13	
3e	11	12,16	14	17,21	11,12	
	12,15,16	13,14	28,31.2	15	X,X	10,11,12
	22,23,24			14,17	6,8	8,11
	18					
AMKT4K	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20]	10,12	16,18	[10],[11],12,13	
3e	8,11,12	12,16	14,[15]	17,18,[19.3]	[9],11,12	11,13
	12,16,[17]	13,14	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	[8],10,13		6,[7],8	8,11
	[15],17,18					
AR8YM9	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

AT7JUM	GlobalFiler™					
	12,13,15.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
AU3Y3D	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
AVD2NC	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
AVTCE4	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
B372F4	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
B8EHVK	PowerPlex® Fusion 6C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
BBWKYJ	Investigator® 24plex (STRMix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18	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 3e - STR Results

BD8YLX	GlobalFiler™ (STRmix)					
	13,15.3	17,19,23	10,12,14	15,16,18	11,12,13	
3e	8,11,12	12,16	14	17,18	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X	10,12
	22,23,24			14,17,31.2	6,7,8,9.3	8,11
	15,17,18	9			2	
BEH4X2	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,14,15	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16,[17]	13,14,15	28,31.2	11,15,16	X,X,X,Y	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
BHML4A	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	-				
BHVUVG	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
BHZPQ3	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,[23]	10,12,14,[15]	15,16,18	10,11,12,13	
3e	8,11,12	[10],12,15,16	14,15	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,16,17,[19]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12,[14]
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	15,17,18,[19]	[9]			[2]	
BJBLZD	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
BL6LJP	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

BLJ4AN	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
BLVFE	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,[14],15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,[15],16,17	13,14	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			2	
BP2DNF	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,14,15	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
BPEDK6	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12,14,15	15,16,18	11,12,13	
3e	11,12	12,15,16	14,14	17,18	11,12	11,13
	12,15,16	13,14,15	28,31.2	15,16	X,X	10,12
	22,23,24			14,17	6,7,8	8,11
	17,18					
BQVKUT	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
BTDX7F	GlobalFiler™ (STRmix Version 2.4.06)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	NT
3e	8,11,12	10,12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	NT	NT	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	NT	NT	2	
BTJYGH	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[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

BUT4TK	PowerPlex®					
	13,15.3,[19.3]	17,19,[20],[23]	10,12,[14]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND,[9]				
BV8XLK	GlobalFiler™ (STRmix)					
	11,12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
BWF9HN	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
BWLFQC	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
BY8QK4	Investigator® 24plex QS (STRmix)					
	13,15.3	17,19,20,23	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18,19.3	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	22,23,24			14,17	6,7,8	8,9,11
	15,17,18	9				
C347QC	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
C3GHR9	GlobalFiler™					
	12,13,15.3,19.3	17,19,23	10,[11],12,[14],[15]	15,16,18	10,11,12,13	
3e	[8],[9],11,12	12,15,16	14	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17,[19]	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[31.2]	6,[7],8	8,11
	[15],17,18,[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

C4DWF2	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
C4T3YX	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	10,12,15,16	14,15	17,18,19.3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
C4UGG6	PowerPlex® Fusion					
	[12],13,15.3	17,19,[20],[23]	10,12	[15],16,18	[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18	[9],11,12	11,[12],13
	12,[15],16	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,11
	17,18	[9]				
C7LJ4K	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C8EEVM	Investigator® 24plex QS (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
C98XGF	GlobalFiler™					
	13,15.3,[19.3]	17,19	10,12,[14]	16,18	12,13	
3e	[8],11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,[Y]	10,12
	23,24			14,17	6,[7],8	8,11
	17,18	ND			[2]	
C9RE82	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	NR				

TABLE 2

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

Item 3e - STR Results

CBDJN8	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[23]	10,12,[14]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,13
	12,16,[17]	13,14	28,31.2	[11],15,16	X,[Y]	10,12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,11
	[15],17,18,[19]	9			2	
CBZY8H	GlobalFiler™ (STRmix)					
	11,12,13,14.3,15.3,19.3,Q	16,17,18,19,20,23,25,Q	9,10,11,12,14,15,Q	15,16,17,18,Q	10,11,12,13,Q	
3e	8,10,11,12,Q	11,12,15,16,Q	13,14,15,Q	16,17,18,19.3,21,Q	9,10,11,12,Q	10,11,12,13,Q
	11,12,15,16,17,Q	12,13,14,15,Q	27,28,30.2,31.2,Q	11,12,14,15,16,17,Q	X,Y	9,10,11,12,14,Q
	22,23,24,Q			13,13.2,14,15,16,16.2,17,31.2,Q	6,7,8,Q	8,9,11,Q
	15,16,17,18,19,Q	9			2	
CEEP4D	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
CGMA3T	PowerPlex® 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,11
	15,17,18,19	9				
CHV8ZN	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
CHZMFA	PowerPlex®					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND				

TABLE 2

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

Item 3e - STR Results

CNFA4K	GlobalFiler™					
	11**,12,13,15.3,19.3	17,19,20,23	10,11**,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
CNHEQ3	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	[6],7,[8]	8,9,[11]
	15,17,18,19	9			2	
CNN6ZD	GlobalFiler™					
	13,15.3,[19.3]	17,19,[20],23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14,[15]	28,31.2	[11],15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,[19]	9			2	
CQCGXX	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3	16,17,18,19,20,23	9,10,11,12,14,15	14,15,16,17,18	10,11,12,13	
3e	8,10,11,12	11,12,15,16	13,14,15	16,17,18,19,3,21	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16	X,Y	9,10,11,12
	22,23,24			13,13.2,14,16,17,19,31.2	6,7,8	8,9,11
	15,16,17,18,19	9			2	
CR7CCT	PowerPlex® Fusion 6C (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
CRYQHD	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	NT
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	NT	NT	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	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 3e - STR Results

CWAWZ6	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,[12],14,15	15,16,18	10,11,12,13	
3e	8,[11],12	12,15,[16]	14,[15]	17,18,19,3,21	9,11,12	11,12,13
	[12],15,[16],17	[13],14,15	[28],31.2	11,15,[16]	X,Y	10,11,12
	22,[23],[24]			14,17,19,31.2	[6],7,[8]	8,9,[11]
	15,17,18,19	9			2	
D28C7C	GlobalFiler™					
	[11],[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
D4TDGL	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
D7X77D	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
D7YECX	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3	16,17,18,19,20,23,25	9,10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,10,11,12	11,12,15,16	13,14,15	17,18,19,3,21	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30,2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	22,23,24			13,14,16,17,19,31.2	6,7,8	8,11
	15,16,17,18,19	9			2	
D9RAY7	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
DA389G	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

DAXAZL	PowerPlex® Fusion					
	12,13,15.3	17,19,23	10,12,14	15,16,18	11,12,13	
3e	11,12	12,15,16	14	17,18	9,11,12	11,13
	12,16,17	13,14	28,31.2	15,16	X	10,11,12
	22,23,24	11,14	10,13		6,7,8	8,11
	15,17,18	ND				
DBWT6E	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3,Q	16,17,18,19,20,23,25,Q	9,10,11,12,14,15,Q	15,16,17,18,Q	10,11,12,13,Q	
3e	8,10,11,12,Q	11,12,15,16,Q	13,14,15,Q	16,17,18,19.3,21,Q	9,10,11,12,Q	10,11,12,13,Q
	11,12,15,16,17,Q	12,13,14,15,Q	27,28,30.2,31.2,Q	11,14,15,16,17,Q	X,Y	9,10,11,12,Q
	22,23,24,Q			13,13.2,14,16,17,19,31.2,Q	6,7,8,Q	8,9,11,Q
	15,16,17,18,19,Q	9			2	
DCJJZR	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	10,12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30,31,31.2	11,12,15,16	X,Y	10,11,12,14
	22,23,24	11,14	8,10,11,13,14	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
DECUZF	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,14,15	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
DGFKDM	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9			2	
DGGYVU	PowerPlex® Fusion 6C					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
DJZNRJ	PowerPlex® Fusion 5C					
	13,15.3	17,19	10,12	16,18	12,13	-
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	-	6,8	8,11
	17,18	-	-	-	-	-

TABLE 2

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

Item 3e - STR Results

DKJFWP	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
DMKL74	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	X	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	9				
DMLLN	GlobalFiler™ (STRmix)					
	12,13,15.3	17,19,20,23	10,12,14,15	15,16,18	11,12,13	
3e	8,11,12	12,15,16	14	17,18	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19	6,7,8	8,9,11
	17,18					
DPADCL	PowerPlex® Fusion 6C (STRmix v2.8)					
	[11],13,15.3	17,19	10,12	16,18	12,13	
3e	[9],11,12	12,16	14,14	17,18,[20]	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12,[14]
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
DRLJA	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
DRY2XG	Investigator® 24plex (STRmix v 2.5.11)					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
DUK2YH	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3	16,17,18,19,23	9,10,11,12,14,15	15,16,17,18	11,12,13	
3e	10,11,12	11,12,15,16	13,14	16,17,18	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X	9,10,11,12
	22,23,24			13,13.2,14,16,16.2,17,19	5,6,7,8	8,11
	16,17,18	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

DVYNUW	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	(10),12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,(30),31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
E2VQU9	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,15	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
E3983F	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
E3UMNC	GlobalFiler™ (STRmix v2.4)					
	13,15.3,19.3	16,17,18,19,20,23	9,10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,9,10,11,12	11,12,15,16,17	13,14,15	16,17,18,19,3,21	9,10,11,12,13	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	22,23,24			14,17,19,31.2	5,6,7,8	8,9,10,11
	15,16,17,18,19	9			2	
E9ZTAM	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19	10,12,14,15	15,16,18	10,11,12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,12,13
	12,15,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17	6,7,8	8,11
	17,18,19				2	
EAFHNF	GlobalFiler™					
	11,12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	10,12,15,16	14,15	17,18,19,3,20,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
EAQLVD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[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

EAUGTH	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	10**,12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
EB3T7D	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
EB7EXM	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
EE9Z3D	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19,3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
EFYBQK	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13,[17]	14,17	6,8	8,11
	17,18					
EKFLZH	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
ENYNXF	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

EQH8TZ	GlobalFiler™ (CODIS versión 9.0.28.280)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
EQKWYH	Verifiler Plus					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	12,14,19
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	NT	6,7,8	8,9,11
	15,17,18,19	NT	NT	NT	2	
ERXZTF	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
EVDJP3	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12	15,16,18	10,11,12,13	
3e	11,12	12,15,16	14,15	17,18,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,13		6,7,8	8,9,11
	15,17,18,19	ND				
EVXA4G	GlobalFiler™					
	13,15.3	17,19,[20]	10,12,[14,15]	16,18	12,13	
3e	11,12	12,16	14	17,18	[9],11,12	11,13
	12,16,[17]	13,14	28,31.2	15,16	X	10,12
	23,24			14,17,[19]	6,7,8	8,11
	17,18					
F7ULMN	GlobalFiler™ (STRMix)					
	13,15.3	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3]	[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9			2	
F839AN	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	Not tested
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	Not tested	6,7,8	8,9,11
	15,17,18,19	9	Not tested	Not tested	Not tested	

TABLE 2

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

F88BU8	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND				
F8KBPB	GlobalFiler™ (STRmix v2.4)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
F9HYAD	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
FCGJ6A	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3,Q	16,17,18,19,20,22,23,Q	9,10,11,12,14,15	15,16,17,18,Q	10,11,12,13,Q	
3e	8,10,11,12,Q	11,12,15,16,Q	13,14,15,Q	16,17,18,19,3,21,Q	9,10,11,12,Q	10,11,12,13,Q
	11,12,15,16,17,Q	12,13,14,15,Q	27,28,30.2,31.2,Q	11,14,15,16,17,Q	X	9,10,11,12,14,Q
	22,23,24,Q			13,13.2,14,16.2,17,19,31.2	6,7,8,Q	8,9,11,Q
	15,16,17,18,19,Q	9			2	
FCWY4J	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
FELK4G	Verifiler Plus					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	12,14,19
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19				2	
FG9KEB	GlobalFiler™					
	[12],13,15.3	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,Y	10,[11],12
	22,23,24			14,17,[19]	6,[7],8	8,11
	[15],17,18,[19]	-			2	

TABLE 2

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

Item 3e - STR Results

FHHAH3	Investigator® 24plex QS (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
FHMZVX	PowerPlex® Fusion 6C (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9	16	15		
FJTB62	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
FMU8Y3	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23],[25]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],[16],[17]	13,14,[15]	28,31.2	[11],[12],15,[16]	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
FQ2VP7	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
FUY4L9	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
FWNU78	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

G2R8EP	PowerPlex® 6C (STRMix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
G42389	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
G4Y4MU	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,15,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
G7JH7E	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
G8KJJG	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
G9QT44	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,20,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
GEZL7A	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[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

GGLW9Z	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
GKPHB6	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
GMCGPH	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	nd				
GPJEPV	PowerPlex® Fusion 6C					
	13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]	[16]	[15]		
GRPRQ6	GlobalFiler™					
	13,15.3	17,19,[23]	10,12,[14],[15]	16,18	12,13	
3e	11,12	12,16	14	17,18,[19.3],[21]	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,[Y]	10,12
	23,24			14,17,[19]	6,[7],8	8,11
	17,18				2	
GXD2RB	GlobalFiler™ (STRmix 2.4.06)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	14,15,16,17,18	10,11,12,13	
3e	8,10,11,12	12,15,16	13,14,15	17,18,19,3,21	9,10,11,12	10,11,12,13
	12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	22,23,24,25			14,17,19,31.2	6,7,8	8,9,11
	15,16,17,18,19	9			2	
GYLJYY	PowerPlex® Fusion					
	[12],13,15.3	17,19	10,12	[15],16,18	[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18	[9],11,12	11,[12],13
	12,[15],16	13,14	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	10,13		6,[7],8	8,11
	[15],17,18,[19]	ND				

TABLE 2

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

Item 3e - STR Results

H3KJBF	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	16,18	12,13	
3e	8,11,12	12,15,16	14	17,18,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	15,16	X,Y	10,12
	22,23,24	11,14	10,13		6,8	8,9,11
	17,18,19					
H4G6D3	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,11
	[15],17,18	9			2	
H8HMVA	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3,Q	16,17,18,19,20,23,25,Q	9,10,11,12,14,15,Q	15,16,17,18,Q	10,11,12,13,Q	
3e	8,10,11,12,Q	11,12,15,16,Q	13,14,15,Q	16,17,18,19.3,21,Q	9,10,11,12,Q	10,11,12,13,Q
	11,12,15,16,17,Q	12,13,14,15,Q	27,28,30.2,31.2,Q	11,12,14,15,16,17,Q	X,Y	9,10,11,12,Q
	21,22,23,24,Q			13,13.2,14,16,17,19,31.2,Q	6,7,8,Q	8,9,11,Q
	15,16,17,18,19,Q	9			2	
HCC8JK	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
HJU9P3	GlobalFiler™					
	13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	12,13	
3e	11,12	12,16	14,[15]	17,18	11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X	10,12
	22,23,24			14,17	6,[7],8	8,[9],11
	[15],17,18,[19]	9			2	
HR6XEG	PowerPlex® Fusion (STRmix)					
	13,15.3	17,19	10,12	15,16,18	11,12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,12,13
	12,16	13,14	28,31.2	15,16	X	10,12
	22,23,24	11,14	10,13		6,7,8	8,11
	17,18,19	ND				

TABLE 2

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

Item 3e - STR Results

HTDCLM	PowerPlex® Fusion 5C					
	13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,11
	15,17,18,19	ND				
HU6F93	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],11,12,13	
3e	8,11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,15,16	13,14	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9			[2]	
HU8Z6H	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
HUCQH9	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,20,[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[21]	[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,12
	22,23,24			14,17,[19]	6,[7],8	8,11
	[15],17,18,[19]	-			2	
HUMWEA	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
HXUNQ3	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
HYHNM8	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

HYLHF9	GlobalFiler™					
	13,15.3	17,19,[23]	10,12,[14]	16,18	12,13	
3e	[8],11,12	12,16	14	17,18,[19.3]	[9],11,12	11,13
	12,16	13,14	28,31.2	[11],15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	ND			[2]	
J2Z3Q8	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
J3WLR9	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
J3ZDV6	GlobalFiler™					
	[11],12,13,15.3,19.3	17,19,20,23,[25]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,[9],11,12	[10],12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17,[19]	13,14,15	28,31.2	11,[12],15,16	X,Y	10,11,12,[14]
	22,23,24			14,17,19,[21],31.2	6,7,8,[9.3]	8,[9],11
	15,17,18,19	9			2	
J7TNKA	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
J8B623	PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND				
J8DBB6	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

JCNZQD	GlobalFiler™					
	12,13,15.3,19.3	17,19,20	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
JF34D4	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,(19.3),(21)	9,11,12	11,12,13
	12,15,16,17	13,14,(15)	28,31.2	11,15,16	X,Y	10,(11),12
	22,23,24			14,17,19,31.2	6,7,8	8,(9),11
	(15),17,18,(19)	9			2	
JFMP6U	GlobalFiler™					
	11,12,13,15.3,19.3	17,19,20,23	10,[11],12,[14],[15]	15,16,18	10,11,12,13	
3e	[8],11,12	[10],12,[15],16,[17]	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,15,16,17,19	13,14,[15]	28,[31],31.2	11,12,15,16	X,[Y]	10,[11],12
	22,23,24			14,[15],17,[19],[21],[31.2]	6,7,8,9.3	8,[9],11
	15,17,18,19	[9]			[2]	
JFPZWC	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19				2	
JJ3E94	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],31.2	6,7,8	8,9,11
	15,17,18,19	[9]			2	
JJ82AW	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
JJRRFA	GlobalFiler™ (STRMix)					
	12,13,15.3,19.3	17,19,20,23,25	10,11,12,13,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	10,12,15,16	14,15	17,18,19.3,20,21	9,11,12,13	11,12,13
	12,15,16,17,19	13,14,15	28,30,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,30.2,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	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

JL8XFC	GlobalFiler™ (STRmix)					
	11,12,13,15.3,19.3	16,17,18,19,20,23	10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	10,11,12,15,16	13,14,15	17,18,19.3,20,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	27,28,30.2,31.2	11,14,15,16	X,Y	10,11,12
	21,22,23,24			14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
JP8L27	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
JQ7QPF	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X	10,11,12
	22,23,24			14,17,19	6,7,8	8,9,11
	15,17,18,19	9			2	
JRGNUW	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
JU27XH	GlobalFiler™ (STRmix)					
	13,15.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,12
	23,24			14,17	6,7,8	8,11
	15,17,18				2	
JVL7F8	PowerPlex® Fusion 6C (STRmix V. 2.7)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
JW9BPK	PowerPlex® Fusion 6C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,X	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		

TABLE 2

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

Item 3e - STR Results

JYF9U7	GlobalFiler™					
	13,15.3	17,19,[20]	10,12,[14],[15]	[15],16,18	[10],11,12,13	
3e	11,12	12,15,16	14	17,18	[9],11,12	11,13
	12,16	13,14	28,31.2	15,16	X,[Y]	10,12
	[22],23,24			14,17,[19]	6,[7],8	8,11
	17,18,[19]	9			2	
JYGJY6	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
JZC7LR	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
K3V2MK	PowerPlex® Fusion 6C (STRmix)					
	9,12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	10,12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,30,31,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13,14,17	14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9	16	15		
K8NQP6	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12,13	10,11,12,13
	12,15,16,17	13,14,15	28,30.2,31.2	11,15,16,17	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
KAV9E8	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
KB7R24	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

KF3UCC	GlobalFiler™ (STRMIX)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
KGFFPK	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
KHUWAD	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KJ2U3F	Investigator® 24plex (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9				
KJ4UEU	PowerPlex® Fusion 5C (STRmix - 3 e)					
	12,13,15.3	17,19,20,23	10,12	15,16,18	11,12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,12,13
	12,15,16	13,14	28,31.2	15,16	X	10,11,12
	22,23,24	11,14	10,12		6,7,8	8,11
	15,17,18					
KKVHLB	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3	16,17,18,19	9,10,11,12	15,16,17,18	11,12,13	
3e	10,11,12	11,12,15,16	13,14	16,17,18	10,11,12	10,11,12,13
	11,12,15,16	12,13,14	27,28,30.2,31.2	14,15,16,17	X,X	9,10,11,12
	22,23,24			13,13.2,14,16,16.2,17	5,6,7,8	8,10,11
	16,17,18					
KKWQYH	GlobalFiler™ (STRmix)					
	13,15.3	17,19,20	10,12,14,15	15,16,18	11,12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,13
	12,15,16,17	13,14,15	28,31.2	15,16	X	10,12
	22,23,24			14,17,19	6,7,8	8,11
	17,18					

TABLE 2

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

Item 3e - STR Results

KR8VA9	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9		2		
KTJL8Q	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
KYBMNX	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3	17,19,[20]	10,12,[14],[15]	[15],16,18	[11],12,13	
	11,12	12,[15],16	14	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	22,23,24	11,14	10,13		6,7,8	8,[9],11
	[15],17,18,[19]					
KYEPUB	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,25	10,11,12,14,15	15,16,18	10,11,12,13	
	8,11,12	10,12,15,16	14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9		2		
KYTGP8	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,[23]	10,12,[14],[15]	15,16,18	10,11,12,13	
	[8],11,12	12,15,16	14,15	17,18,19,3,[21]	[9],11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[21],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]		[2]		
KZ8YTD	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9		2		
KZA3LA	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	12,13,14,15	28,INC,31.2	11,14,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		

TABLE 2

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

Item 3e - STR Results

L46BCW	PowerPlex® Fusion 5C					
	[12],13,15.3	17,19,[23]	10,12	[15],16,18	[11],12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	15,16	X,X,[Y]	10,12
	[22],23,24	11,14	10,13		6,8	8,11
	17,18	ND				
LCXN4A	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
LH3G7R	PowerPlex® Fusion					
	13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
LH8R9Q	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	[10],[11],12,13	NA
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24	NA	NA	14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]	NA	NA	[2]	
LL3366	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
LM42AW	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,8	8,11
	15,17,18,19	9				
LMY4XV	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	10,11,13		6,7,8	8,9,11
	15,17,18,19	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 3e - STR Results

LNQ7KA	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
LP9YW7	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
LRCYNQ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	[10],[11],12,13	NA
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	22,23,24	NA	NA	14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]	NA	NA	[2]	
LUZHKG	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	10,12,13	
3e	11,12	12,16	14	17,18,19,3,21	9,11,12	11,13
	12,16,17	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	8,10,13	14,17,19	6,7,8	8,11
	17,18,19					
LXDP44	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	NT
3e	8,11,12	12,15,16	13,14,15	17,18,19,3,21	9,11,12	10,11,12,13
	12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16	X,Y	9,10,11,12
	22,23,24	NT	NT	14,17,19,31.2	6,7,8	8,9,10,11
	15,16,17,18,19	9	NT	NT	2	
LZYLBU	PowerPlex® Fusion 5C (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,14,15	[15],16,18	[10],[11],12,13	
3e	8,11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24	11,14	[8],10,[11],13		6,7,8	8,[9],11
	15,17,18,19					
M2CXQW	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,Y	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	15,17,18,[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

M4JUDQ	PowerPlex® Fusion 6C					
	12,13,15.3	17,19	10,12	15,16,18	11,12,13	
3e	11,12	12,15,16	14	17,18,19.3	9,11,12	11,12,13
	12,15,16	13,14	28,31.2	15,16	X	10,11,12
	22,23,24	11,14	10,13	14,17	6,7,8	8,11
	17,18	NR	NR	NR		
M7PKU2	Identifiler® Plus					
		17,19,[20],[23]		[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16			[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2		X,[Y]	10,[11],12
	[22],23,24				6,[7],8	8,[9],11
	[15],17,18,[19]					
MA4TQU	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,12,13	
3e	8,11,12	12,[15],[16]	14,[15]	17,18	9,11,12	11,13
	12,16,17	[13],14,[15]	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,19	6,7,8	8,11
	17,[18],[19]	9			2	
MAPWP2	Identifiler® Plus					
		17,19,20,23		15,16,18	10,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
MFQJFB	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
MG7CBJ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
MH4C7U	Identifiler® Plus					
		17,19		[15],16,18	12,13	
3e	11,12	12,16			[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2		X,X,[Y]	10,12
	[22],23,24				6,[7],8	8,11
	[15],17,18,[19]					

TABLE 2

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

Item 3e - STR Results

MKAALC	Investigator® 24plex QS (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
MKNKC4	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,[14],15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,[17]	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
ML24L2	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
MLV39E	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	10,12,13	
3e	11,12	12,16	14	17,18,19.3	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,Y	10,12
	23,24	11,14	10,13		6,7,8	8,11
	17,18					
MM8C7Z	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],23	10,12,[14],[15]	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,19	9			2	
MN3U93	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],31.2	6,7,8	8,[9],11
	15,17,18,19	9			2	
MRRMRWR	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,15,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	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

MTXHA3	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
MVAVTB	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
MVLZ69	VeriFiler Plus					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	12,14,19
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19				2	
MW69PB	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
MXDMTB	PowerPlex® Fusion 5C					
	12,13,15.3	17,19,23	10,12,14,15	15,16,18	12,13	
3e	11,12	12,15,16	14,15	17,18	9,11,12	11,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	10,13		6,8	8,11
	17,18,19					
MYJJ78	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
N36ZFK	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12,14
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

N8VGLJ	PowerPlex® Fusion 6C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
N9QGQ6	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	[10],12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,[7],8	8,[9],11
	[15],17,18	ND			ND	
NA449J	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	10,11,13		6,7,8	8,9,11
	15,17,18	ND				
NBV7VY	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],31.2	6,7,8	8,[9],11
	15,17,18,19	9			2	
NECY2C	PowerPlex® Fusion					
	13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,13
	12,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
NHUNEG	PowerPlex® Fusion 5C					
	13,15.3	17,19,20,23	10,12,14,15	15,16,18	12,13	
3e	11,12	12,16	14,15	17,18,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	10,13		6,7,8	8,11
	17,18,19	ND				
NLZK8D	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,15,18	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[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

NQD9X2	Investigator® 24plex QS					
	12,13,15.3,19.3	17,19,20,23,25	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,14,15,16	14,15	17,18,19.3,20,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,30,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9				
NQDYUP	Investigator® 24plex (STRmix)					
	13,15.3,19.3	17,19	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
NQL9C3	GlobalFiler™					
	[11],12,13,15.3,19.3	17,19,20,23,[25]	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,[9],11,12	12,15,16	14,15	17,18,19.3,[20],21	9,11,12	11,12,13
	12,15,16,17,[19]	13,14,15	28,[30],[31],31.2	11,[12],15,16	X,Y	10,11,12
	22,23,24			14,17,19,[21],31.2	6,7,8,[9.3]	8,9,11
	15,17,18,19	9			2	
NR3QQM	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23],[25]	10,[11],12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],[9],11,12	[10],12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12,[13]	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,[30],31.2	[11],[12],15,16	X,X,[Y]	10,[11],12,[14]
	[22],23,24			14,[15],17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
NTE3BR	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3,[19.3]	17,19,[20],23	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24	11,14	10,[11],13		6,7,8	8,[9],11
	[15],17,18,[19]					
NUN64H	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
NWFMEW	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[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

NWYR7N	Investigator® 24plex					
	12,13,15.3,19.3	17,19,20	10,12,14,15	15,16,18	10,11,12,13	--
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	--	--	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	--	--	--	
NZBKHU	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19,3,21]	9,11,12	11,12,13
	12,15,16,[17]	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,19	9			2	
P297VL	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,10,11,12	12,15,16	13,14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30.2,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
P3ZJMY	GlobalFiler™ (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
P7X3MC	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
P8CWC7	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9				
PAXNJ2	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

PCKH3N	PowerPlex® Fusion					
	13,15.3	17,19,[20]	10,12	[15],16,18	[11],12,13	
3e	11,12	12,[15],16	14,14	17,18	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	15,16	X,X	10,[11],12
	[22],23,24	11,14	10,13		6,[7],8	8,11
	17,18,[19]	0				
PDL2JX	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
PDY9A2	GlobalFiler™ (STRmix v2.4.06)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
PEXVYX	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
PHFY74	GlobalFiler™ (STRmix)					
	11,12,13,15.3,18.3,19.3,Q	17,19,20,22,23,25,Q	10,11,12,13,14,15,Q	14,15,16,18,Q	9,10,11,12,13,Q	
3e	7,8,11,12,Q	10,11,12,14,15,16,Q	13,14,15,Q	17,18,18.3,19.3,21,Q	8,9,11,12,Q	11,12,13,Q
	12,14,15,16,17,Q	13,14,15,Q	28,30.2,31.2,Q	10,11,14,15,16,Q	X,Y	10,11,12,Q
	21,22,23,24,Q			13,14,17,18,18.2,19,30.2,31.2,Q	6,7,8,Q	8,9,11,Q
	15,17,18,19,Q	8,9			2	
PHQQAY	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,15,16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,11
	[15],17,18,[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

PJL9CZ	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,15,16	13,14	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18	[9]			[2]	
PN6KTV	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
PP8RM9	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
PPQX72	GlobalFiler™ (STRmix 2.4.06)					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
PTTCUX	GlobalFiler™ (STRmix version 2.7.0)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
PVHBWG	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	ND				
PVHL3D	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14	16,18	10,12,13	
3e	8,11,12	12,16	14,15	17,18,19.3,21	11,12	11,12,13
	12,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3e - STR Results

PXZ3W4	GlobalFiler™					
	12,13,15.3	17,19,20	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
Q4ADRJ	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
Q7E4WD	GlobalFiler™ (STRmix)					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19,31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	9			2	
Q88YGZ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,[17]	13,14,15	28,31.2	11,15,16	X,Y	10,[11],12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	15,17,18,[19]	9			2	
Q8M498	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
QDD4HF	PowerPlex®					
	13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	ND				
QDPYLY	Identifiler® Plus					
		17,19,(20),(23)		(15),16,18	(10),(11),12,13	
3e	(8),11,12	12,(15),16			(9),11,12	11,(12),13
	12,(15),16,(17)	13,14,(15)	28,31.2		X,X	10,(11),12
	(22),23,24				6,(7),8	8,(9),11
	(15),17,18,(19)					

TABLE 2

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

Item 3e - STR Results

QE8R2B	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
QHR7HB	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
QKWWKJ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23],[25]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],[9],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[20],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
QP7NK4	PowerPlex® Fusion 6C					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
QPLV2E	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
QRY2HV	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3],[21]	[9],11,12	11,13
	12,16,[17]	13,14,[15]	28,31.2	[11],[12],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
QTP8UE	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					

TABLE 2

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

Item 3e - STR Results

QUXVZR	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X	10,[11],12
	[22],23,24	11,14	[8],10,13		6,[7],8	8,11
	[15],17,18	9				
QVUWWN	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12	15,16,18	12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	ND				
QXY462	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23,[25]	10,12,[14],[15]	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,15,16,17	13,14,[15]	28,31.2	11,15,16	X,[Y]	10,11,12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,19	9			[2]	
QYXZ7	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
QZQCTQ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19,31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
R2B8QX	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8,[9.3]	8,[9],11
	[15],17,18,19	9			[2]	
R2VD79	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	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 3e - STR Results

R48Y7V	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
R4BJY6	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,11
	15,17,18,19	9			2	
R7T2TV	Identifiler® Plus					
		17,19		16,18	12,13	
3e	11,12	12,16			9,11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					
R9XFB9	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,15	15,16,18	10,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,11
	15,17,18,19	9				
RACVQV	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
RBLUYJ	GlobalFiler™					
	[11],[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],[9],11,12	[10],12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,[31],31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
RC4RJV	PowerPlex® Fusion 6C (STRMIX)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	12,13,14,15	28,31.2	11,14,15,16,17	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		

TABLE 2

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

Item 3e - STR Results

RCDKRX	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
RDQ23Q	Investigator® 24plex QS (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
RKQ7Q7	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
RR9UTH	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	10,12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			13.2,14,15,16.2,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
RUFryp	PowerPlex® Fusion					
	13,15.3	17,19	10,12,[14]	16,18	[10,11],12,13	
3e	[8],11,12	12,16	14,14	17,18,[21]	[9],11,12	11,13
	12,16,[17]	13,14	28,31.2	15,16	X,X,[Y]	10,12
	23,24	11,14	10,13		6,[7],8	8,11
	17,18,[19]	0				
RUTX6L	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19	10,12	[15],16,18	[10],[11],12,13	
3e	11,12	12,[15],16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	[22],23,24	11,14	10,13		6,[7],8	8,11
	[15],17,18					
RY8DVD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[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

RYNMPZ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
T2BN4M	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	10,13		6,[7],8	8,11
	17,18,[19]					
T38KUM	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	15,17,18,19	9			2	
T76FHB	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
T8F6Z3	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9
	15,17,18,19	9				
TA4RGW	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
TA9QTX	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		

TABLE 2

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

Item 3e - STR Results

TBH7ZY	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,[23]	10,12,14,[15]	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,12,13
	12,15,16	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	15,17,18	9			2	
TEFBNH	GlobalFiler™					
	13,15.3,[19.3]	17,19	10,12	16,18	[11],12,13	
3e	11,12	12,16	14,14,[15]	17,18	11,12	11,[12],13
	12,16,[17]	13,14	28,31.2	15,16	X,X,[Y]	10,[11],12
	[22],23,24			14,17	6,[7],8	8,11
	17,18				[2]	
TLFPC6	PowerPlex® Fusion 6C (STRmix)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
TNNEJ3	PowerPlex® Fusion					
	[12],13,15.3	17,19,[23]	10,12	[15],16,18	12,13	
3e	11,12	12,[15],16	14,14	17,18	11,12	11,[12],13
	12,[15],16	13,14	28,31.2	15,16	X,X,[Y]	10,[11],12
	[22],23,24	11,14	10,13		6,[7,7],8	8,11
	[15],17,18,[19]	ND				
TNQKZH	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3	16,17,18,19,20,23	9,10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,10,11,12	11,12,15,16	13,14,15	16,17,18,19.3,21	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	22,23,24			13,14,16,16.2,17,19,31.2	6,7,8	8,9,11
	15,16,17,18,19	9			2	
TPWCAD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3,21]	[9],11,12	11,[12],13
	12,[15],16	13,14	28,31.2	[11],15,16	X,[Y]	[11],12,13
	[22],23,24			14,17,[19]	6,[7],8	8,11
	[15],17,18,[19]	9			2	
TW32WC	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
3e	8,9,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13,17		6,7,8,9.3	8,9,11
	15,17,18,19	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 3e - STR Results

TXHY8U	Identifiler® Plus					
		17,19,20,23		15,16,18	10,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					
TZ2T6U	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17	6,7,8	8,9,11
	17,18,19	9			2	
TZWP34	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17,19	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
U4CJEU	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
U6FTY2	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19,3,21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
U7YNZT	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19,3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
U8BBU2	PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20,23]	10,12,[14,15]	[15],16,18,[inc]	[10,11],12,13	
3e	[8],11,12,[inc]	12,[15],16,[inc]	14,14,[15,inc]	17,18,[19,3,21]	[9],11,12,[inc]	11,[12],13,[inc]
	12,[15],16,[17]	13,14,[15,inc]	28,31.2,[0]	[11],15,16,[inc]	X,X,[X,Y]	[11],10,12,[inc]
	[22],23,24,[inc]	11,14,[0]	[8],10,[11],13		6,[7],8,[inc]	8,[9],11,[inc]
	[15],17,18,[19]	ND [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 3e - STR Results

UAQYGT	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
UD3ZAP	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	15,17,18,19	9			2	
UEDCX2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	(15,15)(15,16) (15,18)	10,11	
3e	8,INC	15,INC	15,INC	19.3,21	9,INC	(11,12)(12,12) (12,13)
	15,17	15,INC	31.2,INC	11,INC	X,Y	(10,11)(11,11) (11,12)
	22,22	11,14	8,11		7,7	9,INC
	15,19	9				
UEGHCV	PowerPlex® Fusion 5C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
UFT3ED	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	10,12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
UHDQGK	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[20],[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,[31.2]	6,7,8	8,[9],11
	15,17,18,19	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

ULAC9M	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	10,13		6,[7],8	8,[9],11
	[15],17,18,[19]	9				
UPHY9R	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	13,14,15	17,18,19,3,21	9,11,12,13	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,14,15,16,17	X,Y	10,11,12
	22,23,24	10,11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
UQ64EY	PowerPlex® Fusion (STRmix v 2.7)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	INC				
UQX3ZY	Investigator® 24plex QS (STRmix)					
	13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
UTE9WU	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
UTG4VK	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
UTXDUD	PowerPlex®					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	16,18	[10],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,12
	[22],23,24	11,14	[8],10,[11],13	14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]	[16]			

TABLE 2

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

Item 3e - STR Results

UV6B43	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
UWU96Z	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
UWYGHT	PowerPlex® Fusion 5C					
	13,15.3	17,19,[20]	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	[9],11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13		6,8	8,11
	17,18	ND				
UX3XCX	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,15,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,Y	10,11,12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			[2]	
V2KBY7	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
V2KE73	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
V4Q2DT	GlobalFiler™					
	12,13,15.3,19.3	17,19,[20],[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	9,11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[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

V93NVJ	GlobalFiler™					
	(12),13,15.3,(19.3)	17,19,(23)	10,12,(14),(15)	(15),16,18	(10),(11),12,13	
3e	(8),11,12	12,(15),16	14	17,18,(19.3)	(9),11,12	11,(12),13
	12,(15),16	13,14,(15)	28,31.2	(11),15,16	X,(Y)	10,12
	22,23,24			14,17,(19),(31.2)	6,(7),8	8,11
	(15),17,18,(19)	ND			(2)	
V97B9R	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VAZGN3	PowerPlex® Fusion 6C (STRmix 2.8)					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	14,17	6,8	8,11
	17,18					
VBAW64	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VBTD9Q	Investigator® 24plex QS (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9				
VC9HZ2	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VCPUFL	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12,13,14
	22,23,24				6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3e - STR Results

VDFRXZ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	NR
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	NR	NR	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	NR	NR	2	
VEVBJJ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VF3X94	PowerPlex® Fusion					
	12,13,15.3	17,19,20	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	10,13		6,7,8	8,9,11
	15,17,18,19	ND				
VGGVPM	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VHWA3N	GlobalFiler™					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
VL8WH9	PowerPlex® PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	9				
VLFFLK	Identifiler® Plus					
		17,19,20,23		15,16,18	10,11,12,13	
3e	8,11,12	12,15,16			9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3e - STR Results

VMNEWT	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	15,17,18,19	9			2	
VQMC4U	GlobalFiler™					
	13,15.3	17,19,[23]	10,12,[14],[15]	16,18	[10],12,13	
3e	11,12	12,16	14	17,18	[9],11,12	11,13
	12,16	13,14	28,31.2	[11],15,16	X	10,12
	23,24			14,17	6,8	8,11
	[15],17,18	[9]			ND	
VRJD3B	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
VV4BKZ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
VZDEM V	GlobalFiler™					
	[12],13,15.3	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
VZE6Z6	GlobalFiler™ (STRmix v2.5.11)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19	6,7,8	8,9,11
	15,17,18,19	9			2	
W3C8WK	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18,[19.3],[21]	[9],11,12	11,13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[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

W3ED42	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
W7V9VC	PowerPlex® Fusion					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7,7],8	8,[9],11
	[15],17,18,[19]	[9]				
W92BNH	PowerPlex® Fusion (TrueAllele)					
	[12],13,15.3	17,19,[20]	10,12	[15],16,18	[11],12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,[15],16	13,14	28,31.2	15,16	X	10,12
	[22],23,24	11,14	10,13		6,8	8,11
	17,18					
WAV2UW	PowerPlex® Fusion (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,12,13	
3e	8,11,12	12,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18	INC				
WCZLJH	PowerPlex® Fusion (TrueAllele)					
	13,15.3	17,19,[23]	10,12	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14	17,18	11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	10,13		6,[7],8	8,11
	17,18					
WDV6LJ	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,[23]	10,12,[14],[15]	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,15,16,17	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,12
	22,23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			2	
WE66QQ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

WF6HKQ	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,[19.3],[21]	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19],31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
WH9BGB	PowerPlex® Fusion 6C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
WKB9PH	PowerPlex® Fusion					
	13,15.3	17,19,[23]	10,12,[14]	[15],16,18	[10],12,13	
3e	[8],11,12	12,16	14,[15]	17,18,[21]	[9],11,12	11,13
	12,16,[17]	13,14	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,13		6,[7],8	8,11
	[15],17,18,[19]	ND				
WMRDRE	Investigator® 24plex					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WQHVLK	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
WQX4KU	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
WT7Q69	GlobalFiler™ (BulletProof Sentry)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

WTBFXR	Investigator® 24plex QS					
	13,15.3	17,19	10,12	16,18	12,13	
3e	11,12	12,16	14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18	-				
WTRXCW	GlobalFiler™					
	13,15.3	17,19,20,23	10,12,14,15	16,18	10,12,13	
3e	11,12	12,16	14	17,18,19.3	9,11,12	11,13
	12,16	13,14	28,31.2	15,16	X	10,12
	23,24			14,17	6,8	8,11
	17,18					
WVGA9G	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
WVJU6X	PowerPlex® Fusion 6C (STRMix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	27,28,30.2,INC,31.2	11,15,16,17	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
WZM8XH	Identifiler®					
3e						
WZVMCP	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3]	[9],11,12	11,[12],13
	12,[15],16	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
X4KNL3	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3e - STR Results

X8PAHF	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],15	15,16,18	[10],[11],12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,15	28,31.2	[11],15,16	X,X,X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
XB3YXH	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	ND				
XFEXDH	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
XFYUPH	Identifiler® Plus, MiniFiler					
		17,19,(20,23)		(15),16,18	(10,11),12,13	
3e	(8),11,12	12,(15),16			(9),11,12	11,(12),13
	12,(15),16,(17)	13,14,(15)	28,31.2		X,(Y)	10,(11),12
	(22),23,24				6,(7),8	8,(9),11
	(15),17,18,(19)					
XH2NC2	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
XHMP9Y	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
XKAB2M	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3]	[9],11,12	[11],[12],13
	12,16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	[6],[7],8	8,11
	[15],17,18,[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

XKDEQC	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,(25)	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
XN9A66	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,17,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
XT3K6Q	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,[15]	15,16,18	10,11,12,13	
	[8],11,12	12,15,16	14	17,18,19,3,21	[9],11,12	11,12,13
	12,15,16	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,[9],11
	15,17,18,[19]	[9]			2	
XVQLH7	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
XXJG3T	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
XZ4TVR	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
XZHDAU	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23,25	10,12,14,15	15,16,18	10,11,12,13	
	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,30,31,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,21,31.2	6,7,8	8,9,11
	15,17,18,19	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

XZPCVR	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
Y2DU23	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
Y2F7DY	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14	17,18,19,3,21	9,11,12	11,12,13
	12,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
Y6EXVB	GlobalFiler™					
	[12],13,15.3	17,19	10,12,[14]	[15],16,18	[10,11],12,13	
3e	[8],11,12	12,[15],16	14	17,18	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[31.2]	6,[7],8	8,11
	17,18	ND			ND	
Y8H2U8	PowerPlex® 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
Y9QBL6	PowerPlex® Fusion					
	13,15.3	17,19	10,12	16,18	12,13	NT
3e	11,12	12,16	14,14	17,18	11,12	11,13
	12,16	13,14	28,31.2	15,16	X,X	10,12
	23,24	11,14	10,13	NT	6,8	8,11
	17,18	ND	NT	NT	NT	
YB2ZEF	Investigator® 24plex (STRmix)					
	12,13,15.3,19.3	17,19	10,12,14	15,16,18	10,12,13	
3e	11,12	12,16	14	17,18,19.3	11,12	11,12,13
	12,15,16	13,14	28,31.2	15,16	X	10,11,12
	22,23,24			14,17,19	6,7,8	8,9,11
	15,17,18,19	NR				

TABLE 2

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

Item 3e - STR Results

YB3LNV	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YE2WJV	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YFUMUF	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
YFXM2Q	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YK4HEY	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YLZP7Q	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,14	17,18,19,3,21	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YMCWHC	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	XX,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,[7],8	8,[9],11
	[15],17,18,[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

YMVZPD	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,[11],12,[13],[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,14,[15]	17,18,[19.3],[21]	[9],11,12,[13]	11,[12],13
	12,[15],16,[17],[19]	13,14,[15],[16.2]	28,[30],31.2	[11],15,16	X,X,[Y]	10,[11],12
	[22],23,24,[25]			14,[15],17,[18],[19],[21],[31.2]	6,[7],8,[9.3]	8,[9],11
	[15],17,18,[19]	[9]			[2]	
YNM3CT	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YTEKZY	GlobalFiler™					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YUD46R	PowerPlex® Fusion 5C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
YUT4QN	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
YW2TBQ	GlobalFiler™ (STRmix)					
	12,13,14.3,15.3,19.3	16,17,18,19,20,23	10,12,14,15	15,16,17,18,Q	10,11,12,13	
3e	8,10,11,12,Q	11,12,15,16,Q	13,14,15	17,18,19.3,21	9,10,11,12	10,11,12,13,Q
	11,12,14,15,16,17,Q	12,13,14,15,Q	27,28,30.2,31.2,Q	11,14,15,16,17,Q	X,Y	9,10,11,12,Q
	22,23,24,Q			14,17,19,31.2	6,7,8,Q	8,9,10,11,Q
	15,17,18,19	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

YXTFLN	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,14,15	15,16,18	10,11,12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	15,17,18,19	[9]			[2]	
Z3JD2J	GlobalFiler™					
	13,15.3	17,19	10,12,[14],[15]	16,18	[10],12,13	
3e	11,12	12,[15],16	14	17,18	11,12	11,[12],13
	12,16,[17]	13,14	28,31.2	15,16	X	10,12
	[22],23,24			14,17	6,7,8	8,11
	17,18	-			2	
Z89TW4	GlobalFiler™ (Bullet Proof Sentry)					
	12,13,15.3	17,19,23	10,12,15	16,18	10,12,13	
3e	11,12	12,15,16	14	17,18	11,12	11,12,13
	12,16	13,14,15	28,31.2	15,16	X,X	10,12
	22,23,24			14,17,31.2	6,7,8	8,11
	15,17,18					
Z8W73B	GlobalFiler™ (STRmix 2.8)					
	12,13,15.3,19.3	17,19,20,23	10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,11,12	12,15,16	13,14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14	28,30.2,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,16,17,19,31.2	6,7,8	8,9,11
	15,17,18,19				2	
Z9BQTZ	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
ZA92QN	PowerPlex® 21 (STRmix)					
	11,12,13,15.3,19.3	17,19,20,23		15,16,18	10,11,12,13	12,14,19
3e	8,11,12	12,15,16		17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19					
ZD2QMF	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	not tested
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	not tested	6,7,8	8,9,11
	15,17,18,19	9	not tested	not tested	not tested	

TABLE 2

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

ZG6ZYN	GlobalFiler™					
	12,13,15.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			19,31.2	7	8,9,11
	15,17,18,19	9			2	
ZJ9NHK	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
ZK39FR	GlobalFiler™					
	12,13,15.3,[19.3]	17,19,20,23	10,12,14,15	15,16,18	[10],11,12,13	
3e	[8],11,12	12,15,16	14,[15]	17,18,[19.3,21]	9,11,12	11,12,13
	12,15,16,[17]	13,14,[15]	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,[19,31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
ZK48KL	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	12,13,14,15	28,31.2	11,14,15,16,17	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
ZNM9JE	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,21,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
ZNMTB3	PowerPlex® Fusion 5C					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	15,16	X,[Y]	10,[11],12
	[22],23,24	11,14	[8],10,[11],13		6,[7],8	8,[9],11
	[15],17,18,[19]	[9]				
ZPA24W	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19,3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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

ZTHJJZ	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	22,23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	[9]			[2]	
ZV4WAA	GlobalFiler™					
	[12],13,15.3,[19.3]	17,19,[20],[23]	10,12,[14],[15]	[15],16,18	[10],[11],12,13	
3e	[8],11,12	12,[15],16	14,[15]	17,18,[19.3],[21]	[9],11,12	11,[12],13
	12,[15],16,[17]	13,14,[15]	28,31.2	[11],15,16	X,[Y]	10,[11],12
	[22],23,24			14,17,[19],[31.2]	6,7,8	8,[9],11
	[15],17,18,[19]	9			2	
ZV88DT	GlobalFiler™ (STRmix)					
	11,12,13,15.3,19.3	17,19,20,23,25	10,11,12,14,15	15,16,17,18	10,11,12,13	
3e	8,9,11,12	10,12,15,16	14,15	17,18,19.3,20,21	9,11,12,13	11,12,13
	12,15,16,17,19	13,14,15	28,30,31,31.2	11,12,15,16	X,Y	10,11,12
	22,23,24			14,15,17,19,21,31.2	6,7,8,9.3	8,9,11
	15,17,18,19	9			2	
ZWGA4Y	PowerPlex® Fusion 6C (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3e	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13	14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9	16	15		
ZY8YBR	GlobalFiler™ (STRmix 2.4)					
	13,15.3,19.3	16,17,18,19,20,23	9,10,11,12,14,15	14,15,16,17,18	10,11,12,13	
3e	8,9,10,11,12	11,12,15,16	13,14,15	16,17,18,19.3,21	9,10,11,12	10,11,12,13
	11,12,15,16,17	12,13,14,15	27,28,30.2,31.2	11,14,15,16,17	X,Y	9,10,11,12
	21,22,23,24			14,17,19,30.2,31.2	6,7,8	8,9,10,11
	15,16,17,18,19	9			2	
ZYNR6F	ID+ (28 and 34 cycles), MiniFiler					
		17,19		16,18	12,13	
3e	11,12	12,16			11,12	11,13
	12,16	13,14	28,31.2		X,X	10,12
	23,24				6,8	8,11
	17,18					

TABLE 2

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

Item 3sp - STR Results

22PN2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
29R4YN	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
2BRNA2	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2CLCRW	PowerPlex® Fusion 6C (STRmix v2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
2FMPPMW	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2J4M4C	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	11,12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,18,19	9				
2MKZPL	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 3sp - STR Results

2RCULF	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
2WA9FX	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2WTGF7	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2X3R7H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2XLRFU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2YJL9D	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
33F7Q9	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

33JZLV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
33VVTU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
347T7C	GlobalFiler™ (STRmix v2.5.11)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
38NR4L	GlobalFiler™					
	12,[19.3]	[20],[23]	14,15	15,16	10,11	
3sp	[8],[12]	12,15	14,15	[19.3],[21]	[9],[12]	12,[13]
	15,17	14,15	31.2	[11],[15]	X,Y	11,12
	22			[19],[31.2]	7	[8],[9]
	[15],[19]	[9]			[2]	
3B8ZVD	GlobalFiler™					
	12,[15.3],19.3	20,23	[10],[12],14,15	15,16	10,11	N/A
3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	N/A	N/A	19,31.2	7,7	8,9,[11]
	15,19	9	N/A	N/A	2	
3CGT7Z	PowerPlex® 21					
3sp						
3DQQTQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

3DVJT6	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
3H6WB3	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
3J6T7R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,[18],19	9			2	
3KTQED	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3KUML3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3MXMDM	GlobalFiler™ (STRmix v2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3NT6EN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

3RGUGV	PowerPlex® Fusion 6C (STRmix)					
	12,[13],[15.3],19.3	[17],20,23	[12],14,15	15,16,[18]	10,11	
3sp	8,12	12,15	14,15	[17],[18],19.3,21	9,12	12,13
	[12],15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11,[13]	19,31.2	7	8,9,[11]
	15,[17],19	9	16	15		
3UYRDJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3UZ4CE	GlobalFiler™					
	12,19.3	20,23	[12],14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3YEGEM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3Z6PEP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3ZP3MH	GlobalFiler™					
	[12],[19.3]	ND	[14],[15]	[15],[16]	[10],[11]	
3sp	[8],[12]	[12],[15]	[14],[15]	[19.3],[21]	[9],[12]	[12],[13]
	[15]	[14],[15]	[31.2]	[11],[15]	[X],[Y]	[11],[12]
	[22]			[19],[31.2]	[7]	[8],[9]
	[19]	[9]			[2]	
44KN6P	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

44M9WY	PowerPlex® Fusion 5C					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
488CRB	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4BNYJF	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4C33Z8	GlobalFiler™					
	12,[15.3],19.3	20,23	[10],[12],14,15	15,16	10,11	
3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9,[11]
	15,[18],19	9			2	
4CXTXA	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
4DPLWY	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4FFV3U	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

4GB32K	GlobalFiler™ (STRmix)					
	12,15.3,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,18,19	9			2	
4GRPKF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4GV3CH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4JGBK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4L2HLK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4MLA2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4NPTGK	GlobalFiler™					
	12,19.3	[17],20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

4QW8AJ	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4TAZJ8	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4WL8KB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
62UY3N	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
63MQC9	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
63UNVK	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
6696MJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

67M4QL	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
68Y7VT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6A62NN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6ALD2M	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6BHN2W	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6BPLMU	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
6EHYWW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

6EV8NQ	GlobalFiler™					
	[12],19.3	[20],[23]	14,15	15,[16]	10,11	
3sp	8,12	[12],[15]	14,[15]	[19.3],[21]	[9],[12]	[12],13
	[15],17	14,[15]	31.2	[11],[15]	X,[Y]	11,12
	22			[19],[31.2]	[7]	[8],[9]
	[15],19	9			[2]	
6FGZ6A	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6GMWGK	GlobalFiler™ (STRmix)					
	12,15.3,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	18,19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6K4BWE	GlobalFiler™					
	12,[13],[15.3],19.3	[17],20,23	[10],12,14,15	15,16,[18]	10,11,[12],[13]	-
3sp	8,11,12	12,15,[16]	14,15	[18],19.3,21	9,[11],12	11,12,13
	[12],15,17	13,14,15	[28],31.2	11,15,16	X,Y	11,12
	22,[23],[24]	-	-	[14],[17],19,31.2	6,7,[8]	8,9,[11]
	15,[17],18,19	9	-	-	2	
6MT2GC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6MTT2K	GlobalFiler™ (strmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6N92ED	Identifiler® Plus, GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

6QGLAM	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
6RC6HF	GlobalFiler™					
	12,[13],[15.3],19.3	[17],20,23	[10],[12],14,15	15,16,[18]	10,11,[12],[13]	
3sp	8,[11],12	12,15,[16]	14,15	[17],[18],19.3,21	9,[11],12	[11],12,13
	[12],15,17	[13],14,15	[28],31.2	11,15,[16]	X,Y	[10],11,12
	22,[23]			[14],[17],19,31.2	[6],7,[8]	8,9,[11]
	15,[17],[18],19	9			2	
6UUW3C	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
72MABV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
72TC9G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
738UCM	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
73KK9J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

74DCH6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
74DQWK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,[11],12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			[14],19,31.2	7	8,9
	15,19	9			2	
77KH47	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	[12],15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7BJU9J	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
7EUVZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7HFTCD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7MN4JL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

7N83MB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7NZZQC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7PEAWQ	GlobalFiler™ (STRmix)					
	12,19.3	17,20,23	10,14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	18,19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15,16	X,Y	11,12
	22			14,17,19,31.2	7,8	8,9
	15,19	9			2	
7PGUT8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7PJZB8	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7PXLTX	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,18,19	9				
7QG334	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 3sp - STR Results

7VP9L4	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,11,12	12,15	14,15	19.3,21	9,11,12	11,12,13
	12,15,17	13,14,15	31.2	11,15	X,Y	10,11,12
	21,22,24			19,31.2	7	8,9
	15,19	9			2	
7WBUWK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7Y4K3Y	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
7Y9JFM	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
7ZVNPE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7ZX9KV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
82MKU6	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	12,19.3	20,23	[10],14,15	15,16	10,11,[12],[13]	
3sp	8,[11],12	12,15	14,15	19.3,21	9,12	12,13
	[12],15,17	14,15	[28],31.2	11,15	X,Y	11,12
	22	11,14	8,11	[17],19,31.2	7	8,9
	15,[17],19	9	16	15		

TABLE 2

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

Item 3sp - STR Results

89PJGN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8BDY3H	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8F8EBK	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8GJTWD	GlobalFiler™					
	12,[13],[15.3],19.3	[17],[19],20,23	[10],[12],14,15	15,16,[18]	10,11,[12],[13]	
3sp	8,[11],12	12,15,[16]	14,15	[17],[18],19.3,21	9,[11],12	[11],12,13
	[12],15,[16],17	[13],14,15	[28],31.2	11,15,[16]	X,Y	[10],11,12
	22,[23],[24]			[14],[17],19,31.2	[6],7,[8]	8,9,[11]
	15,[17],[18],19	9			2	
8Q9GRF	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8QKVNJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8RF8UJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

8RZ2GF	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8U7WAC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8UFDX4	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
8WD9TY	PowerPlex® Fusion 6C (STRmix v 2.5)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
8Z8P78	Identifiler® Plus (EuroForMix)					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8ZAEDP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8ZCGKN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

92H29A	GlobalFiler™ (STRmix v. 1.5)					
	12,15.3,19.3	20,23	14,15	15,16	10,11,13	
3sp	8,12	12,15	14,15	17,19,3,21	9,12	12,13
	12,15,17	14,15	31.2	11,15,16	X,Y	11,12
	22			17,19,31.2	7	8,9
	15,17,18,19	9			2	
92HTCH	GlobalFiler™ (STRmix v 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	-
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	-	-	19,31.2	7,7	8,9
	15,19	9	-	-	2	
92YL8R	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
93BTHU	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
9DEDW2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
9DEVYK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9FP9NK	Investigator® 24plex QS (STRmix v2.9.1)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15		9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	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 3sp - STR Results

9H6FNM	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
9H9GRE	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9HPKHY	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9QEZH	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
9RACNJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9RXYFU	PowerPlex® Fusion 6C (STRmix V2.6)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9TM8LP	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

9UJVUD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9VXACU	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9XMHGP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A2DA6C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A4926P	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6C34W	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6ZGFF	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

A78YCQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A7BQJR	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
A7NYBL	(Verifiler Plus)					
	12,19.3	20,23	14,15	15,16	10,11	14
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
A8J4Y9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A8NGQB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A9H6A7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AB2KH8	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

ACJ4QQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ACVRXJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AFHJYD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AKXETB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AMHKZM	GlobalFiler™ (STRmix)					
	12,19.3	20,22,23	14,15	15,16	10,11	
3sp	8,12	12,15	13,14,15	19.3,21	9,12	12,13
	15,17	14,15	30.2,31.2	11,15	X,Y	11,12
	21,22			18,19,30.2,31.2	7	8,9
	15,19	9			2	
AMKT4K	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
AR8YM9	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

AT7JUM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AU3Y3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVD2NC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVTCE4	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
B372F4	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
B8EHVK	PowerPlex® Fusion 6C					
	12,13,19.3	20,23	14,15	15,16,18	10,11,13	
3sp	8,12	12,15,16	14,15	17,18,19.3,21	9,12	11,12,13
	12,15,17	14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,24	11,14	8,11	19,31.2	7	8,9
	15,17,19	9	16	15		
BBWKYJ	Investigator® 24plex (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 3sp - STR Results

BD8YLX	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BEH4X2	GlobalFiler™					
	12,[15.3],19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	[18],19.3,21	9,12	12,13
	15,17	14,15	[28],31.2	11,15	X,Y	11,12
	22,22			[17],19,31.2	7,7	8,9
	15,19	9			2	
BHML4A	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
BHVUVG	GlobalFiler™ (STRmix)					
	12,19.3	19,20,23	10,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15	19.3,21	9,11,12	11,12,13
	15,16,17	13,14,15	31.2	11,15,16	X,Y	10,11,12
	22			19,31.2	7	8,9
	15,17,18,19	9			2	
BHZPQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BJBLZD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BL6LJP	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

BLJ4AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
BLVFE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BP2DNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BPEDK6	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BQVKUT	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BTDX7F	GlobalFiler™ (STRmix Version 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	NT
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
BTJYGH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

BUT4TK	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BV8XLK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BWF9HN	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
BWLFQC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BY8QK4	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7,8	8,9,11
	15,17,18,19	9				
C347QC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
C3GHR9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

C4DWF2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C4T3YX	GlobalFiler™					
	12,19.3	[17],20,23	14,15	15,16	10,11,[12]	
3sp	8,12	12,15,[16]	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,[23]			19,31.2	7	8,9
	15,19	9			2	
C4UGG6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
C7LJ4K	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,17,18,19	9			2	
C8EEVM	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
C98XGF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C9RE82	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

CBDJN8	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
	15,19	9			2		
CBZY8H	GlobalFiler™ (STRmix)						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
CEEP4D	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
CGMA3T	PowerPlex® 5C						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22	11,14	8,11		7,7	8,9
	15,19	9					
CHV8ZN	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
	15,19	9					
CHZMFA	PowerPlex®						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22	11,14	8,11		7,7	8,9
	15,19	9					
CNFA4K	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	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

CNHEQ3	GlobalFiler™						
		[12],[19.3]	[20],[23]	[14],[15]	[15],[16]	10,11	
	3sp	[8],12	[12],[15]	14,[15]	[19.3],21	[9],[12]	[12],[13]
		[15],17	[14],[15]	31.2	[11],[15]	[X],Y	[11],[12]
		22			[19],[31.2]	7	[9]
	[15],[19]	9			2		
CNN6ZD	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
CQCGXX	GlobalFiler™ (STRmix)						
		12,18.3,19.3	20,23	14,15	14,15,16	9,10,11	
	3sp	8,11,12	11,12,14,15	13,14,15	18.3,19.3,21	9,11,12	11,12,13
		14,15,16,17	14,15	30.2,31.2	11,14,15	X,Y	10,11,12
		21,22			18,19,30.2,31.2	7	8,9
	15,18,19	9			2		
CR7CCT	PowerPlex® Fusion 6C (STRmix)						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	28,31.2	11,15	X,Y	11,12
		22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15			
CRYQHD	GlobalFiler™ (STRmix)						
		12,19.3	20,23	14,15	15,16	10,11	NT
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2		
CWAUZ6	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
D28C7C	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
	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

D4TDGL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
D7X77D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
D7YECX	GlobalFiler™ (STRmix)					
	11,12,18.3,19.3	19,20,22,23,24	13,14,15	14,15,16	9,10,11,12	
3sp	8,11,12	11,12,14,15	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17	13,14,15	30.2,31.2	10,11,14,15,16	X,Y	10,11,12
	21,22			18,19,30.2,31.2,32.2	6,7	8,9
	14,15,18,19	8,9			2	
D9RAY7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DA389G	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DAXAZL	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DBWT6E	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

DCJJZR	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
DECUZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGFKDM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGGYVU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
DJZNRL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	-
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	-	7,7	8,9
	15,19	9	-	-	-	
DKJFWP	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DMKL74	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

DMLLLN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DPADCL	PowerPlex® Fusion 6C (STRmix v2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
DRLXJA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DRY2XG	Investigator® 24plex (STRmix v 2.5.11)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
DUK2YH	GlobalFiler™ (STRmix)					
	11,11.2,12,13,15.3, 16.3,18.3,19.1,19.3	17,19,20,22,23	10,12,13,14,15,16	14,15,16,17,18	9,10,11,12,13	
3sp	7,8,11,12	11,12,13,14,15,16	13,14,15	17,18,18.3,19.3,21	8,9,10,11,12,13	11,12,13
	12,14,15,16,17	13,14,15	28,30.2,31.2	10,11,14,15,16	X,Y	10,11,12
	21,22,23,24			14,17,18,18.2,19,30. 2,31,31.2,32.2	6,7,8	7,8,9,11
	14,15,17,18,19	8,9			2	
DVYNUW	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E2VQU9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

E3983F	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E3UMNC	GlobalFiler™ (STRmix v2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E9ZTAM	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EAFHNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
EAQLVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EAUGTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EB3T7D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

EB7EXM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
EE9Z3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EFYBQK	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
EKFLZH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ENYNXF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EQH8TZ	GlobalFiler™ (CODIS versión 9.0.28.280)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
EQKWYH	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	NT	7	8,9
	15,19	NT	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 3sp - STR Results

ERXZTF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EVDJP3	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11,13		7	8,9
	15,18,19	9				
EVXA4G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F7ULMN	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F839AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	Not tested
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	Not tested	7	8,9
	15,19	9	Not tested	Not tested	Not tested	
F88BU8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
F8KBPB	GlobalFiler™ (STRmix v2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

F9HYAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FCGJ6A	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FCWY4J	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11,13	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
FELK4G	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
3sp	8,12	12,15	14,15	[18],19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
FG9KEB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FHHAH3	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
FHMZVX	PowerPlex® Fusion 6C (STRmix)					
	12,[13],19.3	20,23	14,15	15,16	10,11,[13]	
3sp	8,12	12,15	14,15	[18],19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	[14],[17],19,31.2	7,7	8,9
	15,[17],19	9	16	15		

TABLE 2

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

Item 3sp - STR Results

FJTB62	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,[17],19	9				
FMU8Y3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FQ2VP7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
FUY4L9	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FWNU78	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G2R8EP	PowerPlex® 6C (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
G42389	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16,[18]	10,11	
3sp	8,12	12,15,[16]	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11,[13]	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 3sp - STR Results

G4Y4MU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G7JH7E	GlobalFiler™ (STRmix)					
	12,19.3	20,23	12,14,15	15,16,18	10,11,13	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	12,15,17	14,15	31.2	11,15	X,Y	11,12
	22			14,17,19,31.2	7,8	8,9,11
	15,17,19	9			2	
G8KJJG	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
G9QT44	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GEZL7A	GlobalFiler™					
	12,[13],19.3	[17],[19],20,23	[10],[12],14,15	15,16,[18]	10,11,[13]	
3sp	8,[11],12	12,15,[16]	14,15	[17],[18],19.3,21	9,12	[11],12,13
	[12],15,[16],17	[13],14,15	[28],31.2	11,15,[16]	X,Y	[10],11,12
	22,[24]			[14],[17],19,31.2	[6],7,[8]	8,9,[11]
	15,[17],19	9			2	
GGLW9Z	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
GKPHB6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

GMCGPH	PowerPlex® Fusion					
	12,13,15.3,19.3	17,19,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2	11,15,16	X,Y	11,12
	22,23,24	11,14	8,10,11,13		6,7,8	8,9,11
	15,17,18,19	9				
GPJEVP	PowerPlex® Fusion 6C					
	12,19.3	20,23	[10],14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
GRPRQ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
GXD2RB	GlobalFiler™ (STRmix 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
GYLJYY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H3KJBF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H4G6D3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

H8HMVA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HCC8JK	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.32	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HJU9P3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HR6XEG	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HTDCLM	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HU6F93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HU8Z6H	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

HUCQH9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HUMWEA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HXUNQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HYHNM8	GlobalFiler™ (STRmix)					
	12,19.3	17,20,23	14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,24			19,31.2	7	8,9
	15,17,18,19	9			2	
HYLHF9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J2Z3Q8	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J3WLR9	GlobalFiler™ (STRmix)					
	12,19.3	20,23	10,14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

J3ZDV6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J7TNKA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J8B623	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
J8DBB6	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JCNZQD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JF34D4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JFMP6U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

JFPZWC	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ3E94	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ82AW	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
JJRRFA	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JL8XFC	GlobalFiler™ (STRmix)					
	12,18.3,19.3	19,20,22,23	13,14,15	14,15,16	10,11	
3sp	8,12	11,12,15	13,14,15	19.3,21	9,11,12	12,13
	14,15,16,17	13,14,15	30.2,31.2	11,14,15	X,Y	11,12
	21,22,23			18,19,30.2,31.2	6,7	8,9
	15,18,19	9			2	
JP8L27	GlobalFiler™ (STRmix)					
	12,19.3	17,20,23	10,12,14,15	15,16	10,11,12,13	
3sp	8,12	12,15,16	14,15	18,19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15,16	X,Y	11,12
	22			19,31.2	7,8	8,9
	15,17,18,19	9			2	
JQ7QPF	GlobalFiler™ (STRmix)					
	12,13,15.3,19.3	17,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16	14,15	17,19.3,21	9,11,12	11,12,13
	12,15,16,17	13,14,15	31.2	11,15,16	X,Y	11,12
	22,23,24			14,17,19,31.2	6,7,8	8,9,11
	15,18,19	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

JRGNUW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
JU27XH	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JVL7F8	PowerPlex® Fusion 6C (STRmix V. 2.7)					
	12,19.3	20,23	14,15	15,16	10,11,13	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	28,31.2	11,15	X,Y	11,12
	22,23	11,14	8,11	19,31.2	7,8	8,9
	15,19	9	16	15		
JW9BPK	PowerPlex® Fusion 6C					
	12,13,19.3	17,20,23	10,12,14,15	15,16,18	10,11,12,13	
3sp	8,11,12	12,15	14,15	17,18,19.3,21	9,11,12	11,12,13
	12,15,17	14,15	28,31.2	11,15,16	X,Y	10,11,12
	22,24	11,14	8,11,13	14,17,19,31.2	7,8	8,9,11
	15,17,19	9	16	15		
JYF9U7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JYGJY6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9	16	15	2	
JZC7LR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

K3V2MK	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
K8NQP6	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KAV9E8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KB7R24	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KF3UCC	GlobalFiler™ (STRMIX)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KGFFPK	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
KHUWAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

KJ2U3F	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
KJ4UEU	PowerPlex® Fusion 5C (STRmix - 3 e)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KKVHLB	GlobalFiler™ (STRmix)					
	11,12,18.3,19.1,19.3	17,19,20,22,23	13,14,15,16	14,15,16	9,10,11,12,13	
	7,8,11,12	11,12,13,14,15,16	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17,18	13,14,15	28,30.2,31.2	10,11,14,15,16	X,Y	10,11,12
	21,22,23,24			14,17,18,18.2,19,30.2,31,31.2,32.2	6,7,8	8,9
	14,15,17,18,19	8,9		2		
KKWQYH	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9		2		
KR8VA9	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9		2		
KTJL8Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9		2		
KYBMNX	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

KYEPUB	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KYTGP8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZ8YTD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZA3LA	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
L46BCW	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
LCXN4A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
LH3G7R	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 3sp - STR Results

LH8R9Q	GlobalFiler™					
	12,[15.3],19.3	20,23	[10],[12],14,15	15,16	10,11	NA
3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9,[11]
	15,19	9	NA	NA	2	
LL3366	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.1,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
LM42AW						
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
LMY4XV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
LNQ7KA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
LP9YW7	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LRCYNQ	GlobalFiler™					
	12,[15.3],19.3	20,23	[10],[12],14,15	15,16	10,11	NA
3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9,[11]
	15,[18],19	9	NA	NA	2	

TABLE 2

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

Item 3sp - STR Results

LUZHKG	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LXDP44	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	NT
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
LZYLBU	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
M2CXQW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	[19.3],21	9,12	12,13
	15,17	[14],[15]	31.2,31.2	11,[15]	X,Y	11,12
	22,22			19,31.2	7,7	8,[9]
	[15],[19]	9			2	
M4JUDQ	PowerPlex® Fusion 6C					
	12,(13),(15.3),19.3	(17),20,23	(12),14,15	15,16,(18)	10,11,(13)	
3sp	8,(11),12	12,15,(16)	14,15	(18),19.3,21	9,12	(11),12,13
	15,(16),17	(13),14,15	31.2	11,15	X,Y	11,12
	22,(23)	11,14	8,11	19,31.2	7	8,9,(11)
	15,(17),(18),19	9	16	15		
M7PKU2	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MA4TQU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

MAPWP2	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MFQJFB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MG7CBJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11,13	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MH4C7U	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MKAALC	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
MKNKC4	GlobalFiler™					
	12,19.3	[17],20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ML24L2	GlobalFiler™					
	12,19.3	[17],20,23	[10],14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,[23]			[14],19,31.2	[6],7	8,9
	15,[17],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

MLV39E	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MM8C7Z	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MN3U93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MRRMRWR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
MTXHA3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
MVAVTB	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
MVLZ69	VeriFiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,[18],19				2	

TABLE 2

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

Item 3sp - STR Results

MW69PB	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
MXDMTB	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MYJJ78	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
N36ZFK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,17,19	9			2	
N8VGLJ	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
N9QQQ6	GlobalFiler™					
	12,19.3	[17],20,23	14,15	15,16	10,11	
3sp	8,[11],12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			[14],19,31.2	7	8,9
	15,19	9			2	
NA449J	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

NBV7VY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NECY2C	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NHUNEG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	11,12,13
	15,17	14,15	31.2	11,15	X,Y	10,11,12
	22	11,14	8,11		7	8,9
	15,18,19	9				
NLZK8D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
NQD9X2	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
NQDYUP	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
NQL9C3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,[18],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

Item	Software	1	2	3	4	5	6
NR3QQM	GlobalFiler™	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
		15,19	9			2	
NTE3BR	PowerPlex® Fusion (TrueAllele)	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
		15,19	9				
NUN64H	PowerPlex® Fusion 5C	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
		15,19	9				
NWFMEW	GlobalFiler™	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
		15,19	9			2	
NWYR7N	Investigator® 24plex	12,19.3	20,23	14,15	15,16	10,11	--
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	--	--	19,31.2	7	8,9
		15,19	9	--	--	--	
NZBKHU	GlobalFiler™	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
		15,19	9			2	
P297VL	GlobalFiler™ (STRmix)	12,19.3	20,23	14,15	15,16	10,11	
		8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		21,22			19,31.2	7	8,9
		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

P3ZJMY	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16,18	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			14,19,31.2	7	8,9,11
	15,17,19	9			2	
P7X3MC	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P8CWC7	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PAXNJ2	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PCKH3N	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
PDL2JX	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
PDY9A2	GlobalFiler™ (STRmix v2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

PEXVYX	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
PHFY74	GlobalFiler™ (STRmix)					
	12,19.3,Q	20,23,Q	15,Q	15,Q	11,Q	
3sp	8,12,Q	15,Q	14,15,Q	21,Q	12,Q	
	17,Q		31.2,Q	11,Q	X,Y	12,Q
	22,Q			31.2,Q	7,Q	8,Q
		9			2	
PHQQAY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,[21]	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,[18],19	9			2	
PJL9CZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PN6KTV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PP8RM9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PPQX72	GlobalFiler™ (STRmix 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

PTTCUX	GlobalFiler™ (STRmix version 2.7.0)					
	12,19.3	17,20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PVHBWG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PVHL3D	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PXZ3W4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Q4ADRJ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Q7E4WD	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Q88YGZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

Q8M498	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,24			19,31.2	7	8,9
	15,19	9			2	
QDD4HF	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
QDPYLY	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
QE8R2B	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QHR7HB	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
QKWWKJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QP7NK4	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 3sp - STR Results

QPLV2E	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
QRY2HV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QTP8UE	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
QUXVZR	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
QVUWWN	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
QXY462	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QYXZ7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

QZQCTQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16,[18]	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R2B8QX	GlobalFiler™					
	12,19.3	20,23	14,[15]	15,16	10,11	
3sp	8,[12]	12,[15]	14,15	19.3,[21]	9,12	12,13
	15,[16],17	[14],[15]	31.2	11,15	X,Y	11,12
	22			19,31.2	7	[8],[9]
	15,[19]	9			2	
R2VD79	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	28,31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
R48Y7V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R4BJY6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R7T2TV	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
R9XFB9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

RACVQV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RBLUYJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
RC4RJV	PowerPlex® Fusion 6C (STRMIX)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
RCDKRX	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RDQ23Q	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
RKQ7Q7	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RR9UTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,[18],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

RUFryp	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
RUTX6L	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	[8],9
	15,19	9				
RY8DVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RYNMPZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9	16	15	2	
T2BN4M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
T38KUM	GlobalFiler™					
	12,[15.3],19.3	20,23	14,15	15,16	10,11,[13]	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	[12],15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,[24]			19,31.2	7,7	8,9,[11]
	15,19	9			2	
T76FHB	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 3sp - STR Results

T8F6Z3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TA4RGW	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
TA9QTX	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
TBH7ZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TEFBNH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
TLFPC6	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
TNNEJ3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 3sp - STR Results

TNQKZH	GlobalFiler™ (STRmix)					
	11,12,18.3,19.3	19,20,23	14,15	14,15,16	9,10,11,12,13	
3sp	8,11,12	11,12,14,15	13,14,15	17,19.3,21	9,11,12	11,12,13
	12,14,15,16,17	13,14,15	30.2,31.2	11,14,15,16	X,Y	10,11,12
	21,22,23			18,19,30.2,31.2	7	8,9
	15,17,18,19	9			2	
TPWCAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TW32WC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TXHY8U	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
TZ2T6U	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TZWP34	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U4CJEU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15,16	14,15	19.3,21	9,11,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	6,7	8,9
	15,18,19	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

U6FTY2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U7YNZT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9	16	15	2	
U8BBU2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UAQYGT	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UD3ZAP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UEDCX2	PowerPlex® Fusion					
	12,INC	20,23	14,INC	15,16	11,INC	
3sp	ND	12,15	14,INC	19.3,21	ND	12,13
	15,17	14,INC	31.2,INC	ND	X,Y	ND
	22,INC	ND	ND		7,7	8,9
	15,19	ND				
UEGHCV	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

UFT3ED	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
UHDQ GK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ULAC9M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
UPHY9R	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
UQ64EY	PowerPlex® Fusion (STRmix v 2.7)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				
UQX3ZY	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UTE9WU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

UTG4VK	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UTXDUD	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
UV6B43	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWU96Z	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWYGHT	PowerPlex® Fusion 5C					
	12,[15.3],19.3	[17],20,23	14,15	15,16	10,11,[12]	
3sp	8,12	12,15,[16]	14,15	19.3,21	9,12	12,13
	[12],15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22,[23]	11,14	8,11,[13]		7,7,[8]	8,9
	15,[17],[18],19	9				
UX3XCX	GlobalFiler™					
	[12],[19.3]	[20],[23]	[14],15	15,[16]	[10],[11]	
3sp	[8],[12]	12,[15]	[14],[15]	[19.3],[21]	[9],[12]	[12],[13]
	[15],[17]	[14],[15]	31.2	[11],[15]	X,[Y]	11,[12]
	22			[19],[31.2]	7	[8],[9]
	[15],[19]	[9]			[2]	
V2KBY7	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

V2KE73	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V4Q2DT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,[18],19	9			2	
V93NVJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V97B9R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VAZGN3	PowerPlex® Fusion 6C (STRmix 2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
VBAW64	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VBTD9Q	Investigator® 24plex QS (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 3sp - STR Results

VC9HZ2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VCPUFL	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
VDFRXZ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	NR
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	NR	NR	19,31.2	7	8,9
	15,19	9	NR	NR	2	
VEVBJJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VF3X94	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
VGGVPM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VHWA3N	GlobalFiler™					
	12,19.3	[17],[19],20,23	[10],[12],14,15	15,16,[18]	10,11,[12],[13]	
3sp	8,[11],12	12,15	14,15	19.3,21	9,12	[11],12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,[24]			[14],[17],19,31.2	[6],7,[8]	8,9
	15,[17],[18],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

VL8WH9	PowerPlex® PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
VLFFLK	Identifiler® Plus					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
VMNEWT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VQMC4U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VRJD3B	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
VV4BKZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VZDEM V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

VZE6Z6	GlobalFiler™ (STRmix v2.5.11)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3C8WK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	[12],15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3ED42	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W7V9VC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
W92BNH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WAV2UW	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				
WCZLJH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

WDV6LJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WE66QQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WF6HKQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WH9BGB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
WKB9PH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
WMRDRE	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
WQHVLRL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 3sp - STR Results

WQX4KU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WT7Q69	GlobalFiler™ (BulletProof Sentry)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WTBFXR	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
WTRXCW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WVGA9G	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WVJU6X	PowerPlex® Fusion 6C (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
WZM8XH	Identifiler®					
		17,19,20,23		15,16,18	10,11,12,13	
3sp	8,11,12	12,15,16			9,11,12	11,12,13
	12,15,16,17	13,14,15	28,31.2		X,Y	10,11,12
	22,23,24				6,7,8	8,9,11
	15,17,18,19					

TABLE 2

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

Item 3sp - STR Results

WZVMCP	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
X4KNL3	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
	15,19	9					
X8PAHF	GlobalFiler™						
		12,[15.3],19.3	20,23	[10],[12],14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	[17],19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9,[11]
	15,[18],19	9			2		
XB3YXH	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22	11,14	8,11		7,7	8,9
	15,19	9					
XFEXDH	GlobalFiler™ (STRmix)						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
	15,19	9			2		
XFYUPH	Identifiler® Plus, MiniFiler						
			20,23		15,16	10,11	
	3sp	8,12	12,15			9,12	12,13
		15,17	14,15	31.2,31.2		X,Y	11,12
		22,22				7,7	8,9
	15,19						
XH2NC2	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
	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 3sp - STR Results

XHMP9Y	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XKAB2M	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XKDEQC	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XN9A66	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
XT3K6Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XVQLH7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XXJG3T	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,[11]	
	8,[12]	12,15	14,[15]	19.3,21	9,12	[12],[13]
	15,17	14,15	31.2,31.2	11,15	X,Y	[11],12
	22,22			[19],[31.2]	7,7	8,[9]
	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

XZ4TVR	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZHDAU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	12,14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XZPCVR	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Y2DU23	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
Y2F7DY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Y6EXVB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Y8H2U8	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 3sp - STR Results

Y9QBL6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	NT
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	NT	7,7	8,9
	15,19	9	NT	NT	NT	
YB2ZEF	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
YB3LNV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YE2WJV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YFUMUF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YFXM2Q	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YK4HEY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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

YLZP7Q	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YMCWHC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YMVZPD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YNM3CT	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YTEKZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YUD46R	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YUT4QN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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

YW2TBQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YXTFLN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Z3JD2J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Z89TW4	GlobalFiler™ (Bullet Proof Sentry)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Z8W73B	GlobalFiler™ (STRmix 2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	13,14,15	19.3,21	9,12	12,13
	15,16,17	14,15	31.2	11,15	X,Y	10,11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Z9BQTZ	GlobalFiler™ (STRmix)					
	12,19.3	20,23		15,16	10,11	
3sp	12	15	14,15	19.3,21	9,12	12,13
	15,17		31.2	11,15	X,Y	12
	22				7	
	15				2	
ZA92QN	PowerPlex® 21 (STRmix)					
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

ZD2QMF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	not tested
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	not tested	7,7	8,9
	15,9	9	not tested	not tested	not tested	
ZG6ZYN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	12,15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZJ9NHK	GlobalFiler™					
	12,[13],[15.3],19.3	[17],20,23	[10],14,15	15,16,[18]	10,11,[13]	
3sp	8,12	12,15,[16]	14,15	[17],[18],19.3,21	9,12	12,13
	[12],15,17	[13],14,15	[28],31.2	11,15,[16]	X,Y	11,12
	22,[24]			[14],[17],19,31.2	7	8,9,[11]
	15,[17],19	9			2	
ZK39FR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZK48KL	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZNM9JE	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZNMTB3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 3sp - STR Results

ZPA24W	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZTHJJZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11,[12],[13]	
3sp	8,[11],12	12,15,[16]	14,15	19.3,21	9,12	12,13
	15,17	[13],14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZV4WAA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZV88DT	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZWGA4Y	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZY8YBR	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
3sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZYNR6F	ID+ (28 and 34 cycles), MiniFiler					
		20,23		15,16	10,11	
3sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4 - STR Results

22PN2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
2BRNA2	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2CLCRW	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
2FMPMW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2J4M4C	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
2MKZPL	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
2RCULF	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

2WA9FX	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2WTGF7	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
2X3R7H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
2XLRFU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
2YJL9D	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
33F7Q9	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
33JZLV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

33VVTU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
347T7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
38NR4L	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3B8ZVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	N/A
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	N/A	N/A	19,31.2	7,7	8,9
	15,19	9	N/A	N/A	2	
3DQQTQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3DVJT6	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
3H6WB3	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

3J6T7R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3JYKTY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3KTQED	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3KUML3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3MXMDM	GlobalFiler™ (STRmix v2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3NT6EN	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3UYRDJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

3UYWP8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3UZ4CE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
3WPUKT	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
3YEGEM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
3Z6PEP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
3ZP3MH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			[14],19,31.2	7	8,9
	15,19	9			2	
44KN6P	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

44M9WY	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
488CRB	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4AQHYK	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
4AT3QU	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
4BNYJF	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4C33Z8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4CXTXA	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

4DPLWY	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
4FFV3U	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4FYRGE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4GB32K	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4GRPKF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4GV3CH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4JGBKC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

4JX3CE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4L2HLK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4MLA2H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4NPTGK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
4QW8AJ	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4TAZJ8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
4WL8KB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

62UY3N	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
63MQC9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
63TGHC	Verifiler Plus Amplification kit					
	12,19.3	20,23	14,15	15,16	10,11	14,14
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14.2,15.2	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19				2	
63UNVK	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
6696MJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
67M4QL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
68Y7VT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

6A62NN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6ALD2M	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6BHN2W	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6BPLMU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
6EHYWW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6EV8NQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6GMWGK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

6MT2GC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6MTT2K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6N92ED	Identifiler® Plus, GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6QGLAM	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
6RC6HF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
6UUW3C	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
6YMY7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

72MABV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
72TC9G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
738UCM	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
73KK9J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
74DCH6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
74DQWK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
77G4AH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

77KH47	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7A4R2B	PowerPlex® 21					
	12,19.3	20,23		15,16	10,11	14,14
4	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
7CJRT6	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
7EUVZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7HFTCD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7MN4JL	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7N83MB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

7NZZQC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7PEAWQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7PGUT8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7PJZB8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
7PXLTX	PowerPlex® Fusion 5C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
7QG334	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
7VP9L4	GlobalFiler™ (STRmix)					
	11,12,18.3,19.3	20,23	14,15	14,15,16	10,11	
4	8,11,12	11,12,14,15	13,14,15	19.3,21	9,11,12	12,13
	14,15,16,17	14,15	30.2,31.2	11,14,15	X,Y	11,12
	21,22			18,19,30.2,31.2	7	8,9
	15,18,19	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 4 - STR Results

7WBUWK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
7Y4K3Y	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
7Y9JFM	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
7ZVNPE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
7ZX9KV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
82MKU6	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
89PJGN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11,12**	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

8BUB8G	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	-
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	-	7,7	8,9
	15,19	9	-	-	-	
8F8EBK	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8GJTWD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8QKVNJ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8RF8UJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8RZ2GF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
8U7WAC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

8UFDX4	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
8WD9TY	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
8Z8P78	Identifiler® Plus (EuroForMix)					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8ZAEDP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
8ZCGKN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
92H29A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
92HTCH	GlobalFiler™ (STRmix v 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	-
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	-	-	19,31.2	7,7	8,9
	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 4 - STR Results

92YL8R	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
93BTHU	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
9BQUYA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9DEDW2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
9DEVYK						
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9FP9NK	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
9H6FNM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

9H9GRE	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9HPKHY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9QEZH	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
9RACNJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9RXYFU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9TM8LP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
9UJVUD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

9VXACU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
9XMHGP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A2DA6C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A4926P	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6C34W	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A6ZGFF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A78YCQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

A7BQJR	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
A7NYBL	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
A8J4Y9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
A8NGQB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
A9H6A7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AB2KH8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
ACJ4QQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

ACVRXJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
AFHJYD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AKXETB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AMHKZM	GlobalFiler™ (STRmix)					
	11,11.2,12,18.3,19.1,19.3	19,20,22,23	13,14,15,16	14,15,16	9,10,11	
4	7,8,11,12	11,12,13,14,15	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17	13,14,15	30.2,31.2,32.2	10,11,14,15,16	X,Y	10,11,12
	21,22,23			18,18.2,19,30.2,31,31.2	6,7	7,8,9
	14,15,18,19	8,9			2	
AMKT4K	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
AR8YM9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AT7JUM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

AU3Y3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVD2NC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
AVTCE4	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
AW62N9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
B372F4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
B8EHVK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
BD8YLX	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

BEH4X2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BHML4A	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
BHVUVG	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BHZPQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BJBLZD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BL6LJP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BLJ4AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

BLVFEWE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BP2DNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BPEDK6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
BQVKUT	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BTDX7F	GlobalFiler™ (STRmix Version 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	NT
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
BTJYGH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BUT4TK	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 4 - STR Results

BV8XLK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
BWF9HN	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
BWLFQC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
BY8QK4	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
C347QC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
C3GHR9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C4DWF2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

C4UGG6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
C7LJ4K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C8EEVM	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
C98XGF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
C9RE82	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
CBDJN8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
CEEP4D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

CGMA3T	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
CHV8ZN	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
CHZMFA	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,14	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
CNFA4K	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CNHEQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CQCGXX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CR7CCT	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

CRYQHD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NT
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
CWAWZ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CX2ZMK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
D28C7C	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
D4TDGL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
D7X77D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
D7YECX	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31,31.2	7	8,9
	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 4 - STR Results

D9RAY7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DAXAZL	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DBWT6E	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
DCJJZR	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
DECUZF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGFKDM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DGGYVU	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

DKJFWP	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
DMKL74	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
DMLLN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DPADCL	PowerPlex® Fusion 6C (STRmix v2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
DRLXJA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DRY2XG	Investigator® 24plex (STRmix v 2.5.11)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
DUK2YH	GlobalFiler™ (STRmix)					
	11,11.2,12,18.3,19.1,19.3	19,20,22,23	13,14,15	14,15,16	9,10,11	
4	7,8,11,12	11,12,13,14,15	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17	13,14,15	30.2,31.2,32.2	10,11,14,15,16	X,Y	10,11,12
	21,22			18,18.2,19,30.2,31,31.2,32.2	6,7	7,8,9
	14,15,18,19	8,9			2	

TABLE 2

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

Item 4 - STR Results

DVYNUW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E2VQU9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
E3983F	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E3UMNC	GlobalFiler™ (STRmix v2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
E9ZTAM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EAFHNF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
EAQLVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

EAUGTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EB3T7D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EB7EXM	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
EE9Z3D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EFYBQK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
EKFLZH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ENYNXF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

EQH8TZ	PowerPlex® Fusion 6C (CODIS versión 9.0.28.280)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
EQKWYH	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	NT	7	8,9
	15,19	NT	NT	NT	2	
ERXZTF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
EVDJP3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
EVXA4G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F7ULMN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
F839AN	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	Not tested
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	Not tested	7,7	8,9
	15,19	9	Not tested	Not tested	Not tested	

TABLE 2

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

F88BU8	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
F8KBPB	GlobalFiler™ (STRmix v2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
F9HYAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FCWY4J	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
FELK4G	Verifiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
FG9KEB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FHHAH3	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

FHMZVX	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
FJTB62	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
FMU8Y3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FQ2VP7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
FUY4L9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
FWNU78	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G2R8EP	PowerPlex® 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

G42389	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
G7JH7E	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
G8KJJG	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
G9QT44	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GEZL7A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GGLW9Z	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
GKPHB6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

GMCGPH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
GR3XTV	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
GRPRQ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
GXD2RB	GlobalFiler™ (STRmix 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
GYLJYY	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H3KJBF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
H4G6D3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

H8HMVA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HCC8JK	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,13	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.12	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HJU9P3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HR6XEG	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HTDCLM	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
HU6F93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HU8Z6H	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

HUCQH9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9,9			2	
HUMWEA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
HXUNQ3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HYHNM8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
HYLHF9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J2Z3Q8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J3WLR9	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

J3ZDV6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
J7TNKA	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
J8B623	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
J8DBB6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JCNZQD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JF34D4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JFMP6U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

JFPZWC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ3E94	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JJ82AW	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
JL8XFC	GlobalFiler™ (STRmix)					
	11,11.2,12,18.3,19.1,19.3	19,20,22,23	13,14,15,16	14,15,16	9,10,11	
4	7,8,11,12	11,12,13,14,15	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17	13,14,15	30.2,31.2,32.2	10,11,14,15,16	X,Y	10,11,12
	21,22,23			18,18.2,19,30.2,31,31.2	6,7	8,9
	14,15,18,19	8,9			2	
JP8L27	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JQ7QPF	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JRGNUW	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

JU27XH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JVL7F8	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
JW9BPK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
JYF9U7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
JYGJY6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
JZC7LR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
K3V2MK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

K8NQP6	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KAV9E8	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KB7R24	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KF3UCC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KGFFPK	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
KHUWAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KJ2U3F	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

KJ4UEU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KJKM7W	GlobalFiler™ (Smallpond)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KKVHLB	GlobalFiler™ (STRmix)					
	11,12,18.3,19.3	19,20,22,23	13,14,15	14,15,16	9,10,11	
4	7,8,11,12	11,12,14,15	13,14,15	18.3,19.3,21	8,9,11,12	11,12,13
	14,15,16,17	13,14,15	30.2,31.2	11,14,15,16	X,Y	10,11,12
	21,22			18,18.2,19,30.2,31,31.2	6,7	8,9
	14,15,18,19	8,9			2	
KKWQYH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KR8VA9	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
KT4MHE	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KTJL8Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

KUZ3Q6	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
KYBMNX	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
KYTGP8						
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZ8YTD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KZA3LA	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
L46BCW	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
L499NY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

L7BACQ	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
LABK8Q	ID+					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	22,22					
LCXN4A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
LH3G7R	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
LH8R9Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NA
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9
	15,19	9	NA	NA	2	
LL3366	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
LM42AW						
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

LMY4XV	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
LNQ7KA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
LP9YW7	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LRCYNQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NA
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NA	NA	19,31.2	7,7	8,9
	15,19	9	NA	NA	2	
LUZHKG	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
LXDP44	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	NT
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	NT	NT	19,31.2	7,7	8,9
	15,19	9	NT	NT	2	
LZYLBU	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

M2CXQW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
M4JUDQ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MA4TQU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MBVVDA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19					
MFQJFB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MG7CBJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MH4C7U	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4 - STR Results

MKAALC	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
MKNKC4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
MLV39E	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MM8C7Z	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MN3U93	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
MRRMRWR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
MTXHA3	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

MVAVTB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
MVLZ69	VeriFiler Plus					
	12,19.3	20,23	14,15	15,16	10,11	14
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19				2	
MW69PB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
MXDMTB	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
MYJJ78	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
N36ZFK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
N8VGLJ	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

N8ZTBZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
N9QGQ6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NA449J	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NBV7VY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NECY2C	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NHUNEG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
NLZK8D	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

NQD9X2	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
NQDYUP	Investigator® 24plex					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
NQL9C3	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NR3QQM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
NTE3BR	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
NU42DA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NUN64H	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

NWFM EW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
NWUDKP	ID+					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,16					
NWYR7N	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	--
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	--	7	8,9
	15,19	9	--	--	--	
NZBKHU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P24CUL	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
P297VL	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
P3JTM9	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		

TABLE 2

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

Item 4 - STR Results

P3ZJMY	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P7X3MC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
P8CWC7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PAXNJ2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PCKH3N	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
PDL2JX	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
PDY9A2	GlobalFiler™ (STRmix v2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

PHQQAY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PJL9CZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PM8AXT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PN6KTV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PP8RM9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PPQX72	GlobalFiler™ (STRmix 2.4.06)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
PQ48VY	Investigator® 24plex (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

PTTCUX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PVHBWG	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PVHL3D	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
PXZ3W4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Q3XNKZ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Q4ADRJ	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Q7E4WD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

Q88YGZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Q8M498	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QC7UHT	PowerPlex® Fusion 6C, GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15	2	
QDD4HF	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
QDPYLY	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
QE8R2B	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QH3P3M	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	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 4 - STR Results

QHR7HB	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
QKWWKJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
QP7NK4	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
QPLV2E	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
QRY2HV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QTP8UE	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
QUXVZR	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

QVUWWN	PowerPlex® Fusiion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
QXY462	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QYXZ7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
QZQCTQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R2B8QX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R2VD79	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
R48Y7V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

R4BJY6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R9XFB9	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RACVQV	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RAPXDP	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RBLUYJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
RC4RJV	PowerPlex® Fusion 6C (STRMIX)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
RDQ23Q	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

RGQA9L	ID+					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RKQ7Q7	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RLGJHK	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2		X,Y	11,12
	22				7	8,9
	15,19					
RNR676	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
RQWQZX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RR9UTH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RT97UX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

RUFryp	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
RUTX6L	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
RY8DVD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
RYNMPZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
T2BN4M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
T38KUM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
T76FHB	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 4 - STR Results

T8F6Z3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TA4RGW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
TA9QTX	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
TBH7ZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TEFBNH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
TLFPC6	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
TNNEJ3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 4 - STR Results

TNQKZH	GlobalFiler™ (STRmix)					
	11,12,18.3,19.3	19,20,22,23	14,15	14,15,16	10,11	
4	8,11,12	11,12,14,15	13,14,15	18.3,19.3,21	9,11,12	11,12,13
	14,15,16,17	14,15	30.2,31.2	11,14,15	X,Y	10,11,12
	21,22			18,19,30.2,31.2	7	8,9
	14,15,18,19	9			2	
TPWCAD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TW32WC	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
TZ2T6U	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
TZWP34	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U2BFXT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
U4CJEU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

U6FTY2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U7YNZT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
U8BBU2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UAQYGT	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UD3ZAP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UEDCX2	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UEGHCV	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

UFT3ED	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
UHDQ GK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ULAC9M	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
UPHY9R	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
UQX3ZY	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
UTE9WU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
UTG4VK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

UTXDUD	PowerPlex®					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
UV6B43	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWU96Z	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
UWYGHT	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
UX3XCX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V2KBY7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
V2KE73	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

V4Q2DT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
V93NVJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
V97B9R	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VBAW64	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VBTD9Q	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
VC9HZ2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VCPUFL	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4 - STR Results

VDFRXZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	NR
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	NR	NR	19,31.2	7	8,9
	15,19	9	NR	NR	2	
VEVBJJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VF3X94	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
VGGVPM	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VHWA3N	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VL8WH9	PowerPlex® PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
VLFFLK	Identifiler® Plus					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4 - STR Results

VQMC4U	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VRJD3B	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
VV4BKZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
VZDEM V	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
VZE6Z6	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3C8WK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
W3ED42	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

W7V9VC	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
W92BNH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WAV2UW	PowerPlex® Fusion (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				
WCZLJH	PowerPlex® Fusion (TrueAllele)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WDV6LJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WE66QQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WF6HKQ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

WH9BGB	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
WHLJ7J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WKB9PH	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
WMRDRE	Investigator® 24plex (Genemapper)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
WQHVLRL	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
WQX4KU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WT7Q69	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

WTBFXR	Investigator® 24plex QS					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9				
WTRXCW	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WGA9G	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
WVJU6X	PowerPlex® Fusion 6C (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
WZVMCP	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
X4KNL3	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
X8PAHF	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

XB3YXH	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22	11,14	8,11		7,7	8,9
	15,19	9					
XFYUPH	Identifiler® Plus, MiniFiler						
			20,23		15,16	10,11	
	4	8,12	12,15			9,12	12,13
		15,17	14,15	31.2,31.2		X,Y	11,12
		22,22				7,7	8,9
	15,19						
XH2NC2	PowerPlex® Fusion						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11		7	8,9
	15,19	9					
XHMP9Y	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22			19,31.2	7	8,9
	15,19	9			2		
XKAB2M	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
	15,19	9			2		
XKDEQC	GlobalFiler™						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2,31.2	11,15	X,Y	11,12
		22,22			19,31.2	7,7	8,9
	15,19	9			2		
XN9A66	PowerPlex® Fusion 6C						
		12,19.3	20,23	14,15	15,16	10,11	
	4	8,12	12,15	14,15	19.3,21	9,12	12,13
		15,17	14,15	31.2	11,15	X,Y	11,12
		22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15			

TABLE 2

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

Item 4 - STR Results

XT3K6Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
XVQLH7	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XX426K	PowerPlex® PP21 (STRmix 2.7)					
	12,19.3	20,23		15,16	10,11	14,14
4	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
XXJG3T	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZ4TVR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZHDAU	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
XZPCVR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

Y2DU23	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
Y2F7DY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Y3QFXJ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Y6EXVB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Y8H2U8	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Y9QBL6	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	NT
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	NT	7,7	8,9
	15,19	9	NT	NT	NT	
YB2ZEF	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	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 4 - STR Results

YB3LNV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YDT2HH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YE2WJV	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YFUMUF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YFXM2Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YK4HEY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YLZP7Q	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

YMCWHC	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YMVZPD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YNM3CT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YR7VR2	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YTEKZY	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
YUD46R	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	9				
YUT4QN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	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 4 - STR Results

YW2TBQ	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YXTFLN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
YY6MWP	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Z3JD2J	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
Z6MCVP	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
Z89TW4	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
Z8W73B	GlobalFiler™ (STRmix 2.8)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4 - STR Results

Z9BQTZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZA92QN	PowerPlex® 21 (STRmix)					
	12,19.3	20,23		15,16	10,11	14,14
4	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
ZD2QMF	PowerPlex® Fusion					
	12,19.3	20,23	14,15	15,16	10,11	not tested
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	not tested	7,7	8,9
	15,19	9	not tested	not tested	not tested	
ZJ9NHK	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZK39FR	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZK48KL	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZKHUKM	PowerPlex® 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	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 4 - STR Results

ZNM9JE	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZNMTB3	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19	9				
ZPA24W	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZTHJJZ	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZWGA4Y	PowerPlex® Fusion 6C (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11	19,31.2	7	8,9
	15,19	9	16	15		
ZY8YBR	GlobalFiler™ (STRmix 2.4)					
	12,19.3	20,23	14,15	15,16	10,11	
4	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZYNR6F	ID+ (28 and 34 cycles), MiniFiler					
		20,23		15,16	10,11	
4	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4e - STR Results

29R4YN	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
3CGT7Z	PowerPlex® 21					
	12,19.3	20,23		15,16	10,11	14,14
4e	8,12	12,15		19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22	11,14	8,11		7,7	8,9
	15,19					
3RGUGV	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
6FGZ6A	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
6K4BWE	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	-
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	-	-	19,31.2	7	8,9
	15,19	9	-	-	2	
7BJU9J	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
8BDY3H	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4e - STR Results

8Q9GRF	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
BBWKYJ	Investigator® 24plex (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9				
C4T3YX	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CBZY8H	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
CNN6ZD	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DA389G	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DJZNR	PowerPlex® Fusion 5C					
	-	-	-	-	-	-
4e	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-

TABLE 2

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

FCGJ6A	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
G4Y4MU	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
GPJEVP	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
JJRRFA	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
KYEPUB	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
M7PKU2	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MAPWP2	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	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 4e - STR Results

ML24L2	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
PEVYX	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
PHFY74	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
R7T2TV	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
RCDKRX	Identifiler® Plus					
		20,23		15,16		
4e	8,12	12,15			9,12	12,13
		14,15	31.2,31.2			11,12
					7,7	8,9
	15,19					
TXHY8U	Identifiler® Plus					
		20,23		15,16	10,11	
4e	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
UQ64EY	PowerPlex® Fusion (STRmix v 2.7)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22	11,14	8,11		7	8,9
	15,19	INC				

TABLE 2

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

Item 4e - STR Results

VAZGN3	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
VMNEWT	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
WZM8XH	Identifiler®					
4e						
XFEXDH	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZG6ZYN	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
ZV4WAA	GlobalFiler™					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22			19,31.2	7,7	8,9
	15,19	9			2	
ZV88DT	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15	15,16	10,11	
4e	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	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 4sp - STR Results

29R4YN	Identifiler® Plus					
4sp	[REDACTED]					
4sp	[REDACTED]					
3CGT7Z	PowerPlex® 21					
4sp	[REDACTED]					
4sp	[REDACTED]					
3RGUGV	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
6FGZ6A	GlobalFiler™					
4sp	8 12					
	31.2					
6K4BWE	GlobalFiler™					
	-	[20],[23]	[14],[15]	[15],16	-	-
4sp	-	-	-	[19.3],[21]	[12]	[12],[13]
	-	[14],[15]	[31.2]	-	-	[11],[12]
	[22]	-	-	[19],[31.2]	[7]	-
	[15]	-	-	-	-	-
7BJU9J	Identifiler® Plus					
4sp	[REDACTED]					
4sp	[REDACTED]					
8BDY3H	Identifiler® Plus					
		N/A		N/A	N/A	
4sp	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					

TABLE 2

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

8Q9GRF	Identifiler® Plus					
4sp	[REDACTED]					
4sp	[REDACTED]					
BBWKYJ	Investigator® 24plex (STRMix)					
	NR	NR	NR	NR	NR	
4sp	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
	NR			NR	NR	NR
	NR	NR				
C4T3YX	GlobalFiler™					
4sp	[REDACTED]					
4sp	[REDACTED]					
CBZY8H	GlobalFiler™ (STRmix)					
	12,19.3	20,23	14,15,Q	15,16	10,11	
4sp	8,12	11,12,15	14,15	19.3,21	9,12	12,13
	15,17,Q	14,Q	31.2,Q	11,15	X,Y	11,12
	22,Q			19,31.2	7,Q	8,9,Q
	15,19	9			2	
CNN6ZD	GlobalFiler™					
	12,[19.3]	[20],[23]	14,[15]	15,16	10,11	
4sp	8,[12]	12,15	[14],[15]	19.3,21	9,12	[12],13
	15,17	[14],15	31.2	11,15	X,Y	11,12
	22			19,31.2	[7]	[8],[9]
	15,[19]	9			2	
DA389G	GlobalFiler™ (STRmix)					
	12,19.3	23	14,15	15,16	10,11	
4sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8,9
	15,19	9			2	
DJZNR	PowerPlex® Fusion 5C					
	12,19.3	20,23	14,15	15,16	10,11	-
4sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	-	7,7	8,9
	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 4sp - STR Results

FCGJ6A	GlobalFiler™ (STRmix)					
	12,19.3,Q		14,15,Q			
4sp		12,Q		19.3,Q	12,Q	
	15,Q		31.2,Q			12,Q
					7,Q	
	15,Q				2	
G4Y4MU	GlobalFiler™					
4sp	12	12			9	
	17					
	22		19			
GPJEVP	PowerPlex® Fusion 6C					
4sp						
JJRRFA	GlobalFiler™ (STRMix)					
	12,19.3	20,23	14,15	15,16		
4sp	8,12	12	14,15	19.3,21	9,12	12
	15,17	15	31.2	11,15	X,Y	11
	22			19,31.2	7	
					2	
KYEPUB	GlobalFiler™					
	12,19.3	20	14,15	15,16	10	
4sp	8,12	12	14	19.3,21	12	12,13
	15,17	14,15	31.2	11,15	X	11,12
	22				7	
		9			2	
M7PKU2	Identifiler® Plus					
		20,23		15,16	10,11	
4sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
MAPWP2	Identifiler® Plus					
4sp						

TABLE 2

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

ML24L2	GlobalFiler™
4sp	

PEXVYX	Identifiler® Plus
4sp	

PHFY74	GlobalFiler™
4sp	12,19.3,Q 20,Q 14,15 15,16 10,11,Q
	8,12,Q 12,15 19.3,21,Q 9,12,Q 12,Q
	14,15,Q 31.2,Q 15,Q Y 11,Q
	22,Q 19,Q 7,Q 8,Q
	15,Q

R7T2TV	Identifiler® Plus
4sp	

RCDKRX	Identifiler® Plus
4sp	10,11
	15,17 X,Y
	22,22

TXHY8U	Identifiler® Plus
4sp	- - - -
	- - - -
	- - - -
	-

UQ64EY	PowerPlex® Fusion (STRmix v 2.7)
4sp	

TABLE 2

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

VAZGN3	PowerPlex® Fusion 6C					
	12,19.3	20,23	14,15	15,16	10,11	
4sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	15,17	14,15	31.2,31.2	11,15	X,Y	11,12
	22,22	11,14	8,11	19,31.2	7,7	8,9
	15,19	9	16	15		
VMNEWT	GlobalFiler™					
	[12],19.3	[20],[23]	[14],[15]	[15],[16]	10,[11]	
4sp	[8],12	[12],[15]	14,[15]	19.3,[21]	[9],[12]	[12],[13]
	[15],17	[14],[15]	31.2	[11],[15]	[X],[Y]	11,[12]
	22			[19],31.2	[7]	[8]
	[15],[19]	9			2	
WZM8XH	Identifiler®					
		20,23		15,16	10,11	
4sp	8,12	12,15			9,12	12,13
	15,17	14,15	31.2,31.2		X,Y	11,12
	22,22				7,7	8,9
	15,19					
XFEXDH	GlobalFiler™					
4sp	8	15			Y	
ZG6ZYN	GlobalFiler™					
	[12],[19.3]	[20]	[14],[15]	[16]		
4sp	[12]	[12],[15]	[14],[15]	[19.3],[21]	[9],[12]	[12],[13]
	[15],[17]	[14],[15]	31.2	[11],[15]	X,Y	[11],[12]
	[22]			[31.2]	[7]	[8]
	[15]	[9]			[2]	
ZV4WAA	GlobalFiler™					
4sp						
ZV88DT	GlobalFiler™ (STRmix)					
	12,19.3	20	14,15	15,16	10,11	
4sp	8,12	12,15	14,15	19.3,21	9,12	12,13
	17	14,15	31.2	11,15	X,Y	11,12
	22			19,31.2	7	8
	19	9			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

3B8ZVD	Yfiler™								
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
8U7WAC	Yfiler™ Plus								
1									
DJZNRJ	Argus Y12 QS								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
GEZL7A	Yfiler™ Plus								
1									
LH8R9Q	Yfiler™								
1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
	NA	NA	NA	NA	NA	NA	NA	NA	NA
QPLV2E	Yfiler™								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
XVQLH7	Yfiler™ Plus Direct Mode								
1	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results

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

29R4YN	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
2CLCRW	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
2GXZNM									
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
						21		12	
2MKZPL	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
2X3R7H	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
33F7Q9	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3B8ZVD	Yfiler™								
2	N/A	13	18,18	13	30	25	9	12	13
	14	10	12	20	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12
3CGT7Z	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
3DVJT6	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
3KTQED	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3UZ4CE	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3WPUKT	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

3Z6PEP	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3ZP3MH	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
44KN6P	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
488CRB	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4C33Z8	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
4DPLWY	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
4FYRGE	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GRPKE	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GV3CH	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4JX3CE	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4MLA2H	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4NPTGK	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

4WL8KB	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
62UY3N	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6A62NN	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6ALD2M	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6EHYWW	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6MT2GC	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
6N92ED	Yfiler™								
2		13	9,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6QGLAM	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
6UUW3C	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
73KK9J	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
74DCH6	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
77KH47	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 2 - YSTR Results

7A4R2B	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7BJU9J	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
7EUVZF	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7HFTCD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7MN4JL	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7N83MB	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7NZZQC	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PEAWQ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PGUT8	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PJZB8	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
8BDY3H	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8Q9GRF	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

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

Item 2 - YSTR Results

8U7WAC	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
8UFDX4	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8Z8P78	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8ZAEDP	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
92H29A	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9BQUYA	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9HPKHY	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9QEZH	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9UJVUD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A2DA6C	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6C34W	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6ZGFF	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

A8J4Y9	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8NGQB	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A9H6A7	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
AB2KH8	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
ACVRXJ	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AFHJYD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AKXETB	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
AVD2NC	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AVTCE4	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
AW62N9	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
B8EHVK	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BBWKYJ	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 2 - YSTR Results

BD8YLX	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BEH4X2	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
BGND7X	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BJBLZD	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BPEDK6	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BTJYGH	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BWF9HN	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BY8QK4	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
C9RE82	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CBDJN8	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNHEQ3	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNN6ZD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

CR7CCT	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
CRYQHD	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	NT	16	15	22	21	NT	12
CWAWZ6	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CX2ZMK	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D7X77D	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D9RAY7	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DCJJZR	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
DJZNRL	Argus Y12 QS								
2	--	13	18	13	30	25	9	12	13
	14	10	12	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
DMLLN	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
DRY2XG	Yfiler™								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
E9ZTAM	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
EAQLVD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

ENYNXF	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
EQH8TZ	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
EVDJP3	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
F9HYAD	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FCGJ6A	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FCWY4J	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
FG9KEB	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FHHAH3	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
G8KJJG	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
GEZL7A	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GKPHB6	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GMCGPH	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

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

Item 2 - YSTR Results

GRPRQ6	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HJU9P3	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HUCQH9	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HYHNM8	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JFPZWC	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
JJ82AW	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JJRRFA	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JP8L27	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JW9BPK	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
JYF9U7	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JYGJY6	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
K3V2MK	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

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

Item 2 - YSTR Results

KJ2U3F	Yfiler™									
	2		13	18,18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21		12	
KJKM7W	Yfiler™ Plus									
	2	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
KKWQYH	Yfiler™									
	2		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21		12	
KTJL8Q	Yfiler™									
	2		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21		12	
L499NY	Yfiler™ Plus.									
	2	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
LCXN4A	Yfiler™ Plus									
	2	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
LH8R9Q	Yfiler™									
	2	NA	13	18,18	13	30	25	9	12	13
		14	10	12	20	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	NA	12
LMY4XV	PowerPlex® Y 23									
	2		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		26
		11	11	16	15		21	10		12
LNQ7KA	Yfiler™ Plus									
	2	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
LRCYNQ	Yfiler™									
	2	NA	13	18,18	13	30	25	9	12	13
		14	10	12	20	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	NA	12
M2CXQW	Yfiler™ Plus									
	2	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
M4JUDQ	Yfiler™ Plus									
	2	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11	NT	16	15	22	21	NT		12

TABLE 3

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

Item 2 - YSTR Results

MA4TQU	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MAPWP2	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
MBVVDA	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
MFQJFB	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
MG7CBJ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MKAALC	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
MKNKC4	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ML24L2	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
N36ZFK	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
N8ZTBZ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NECY2C	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
NQDYUP	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

NR3QQM	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NTE3BR	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
NWFMEW	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NZBKHU	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
P2TMBN	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
P8CWC7	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
PEVYX	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
PM8AXT	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
PN6KTV	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
PXZ3W4	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
Q88YGZ	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Q8M498	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

QC7UHT	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
QKWWKJ	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21			12
QP7NK4	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
QPLV2E	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
QPPXNJ	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
QRY2HV	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21			12
QTP8UE	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
QYXZX7	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
QZQCTQ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21			12
R7T2TV	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
RBLUYJ	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21			12
RNR676	PowerPlex® Y 23								
2	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	

TABLE 3

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

Item 2 - YSTR Results

RQWQZX	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RT97UX	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RY8DVD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RYNMPZ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
T2BN4M	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
T38KUM	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
TEFBNH	Yfiler™ Plus Direct								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
TPWCAD	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
TXHY8U	PowerPlex® Y 23								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
U7YNZT	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UD3ZAP	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UHDQ GK	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
UQ64EY	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
UWU96Z	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
V2KE73	Yfiler™								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
V4Q2DT	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VBTD9Q	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
VGGVPM	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VHWA3N	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VLFFLK	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VMNEWT	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
W3C8WK	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WAV2UW	PowerPlex® Y 23								
2	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
WDV6LJ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

WF6HKQ	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WH9BGB	PowerPlex® Y 23								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WMRDRE	GTY DETECTOR 29								
2	37,37	13	18,18	13	31	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12
WT7Q69	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WTRXCW	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WZVMCP	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
X8PAHF	Yfiler™								
2		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
XFYUPH	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XVQLH7	Yfiler™ Plus Direct Mode								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XX426K	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XXJG3T	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Y2DU23	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 2 - YSTR Results

Y3QFXJ	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YB2ZEF	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YB3LNV	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YDT2HH	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YE2WJV	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YK4HEY	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YMCWHC	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YMVZPD	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YTEKZY	Yfiler™								
2		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YXTFLN	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z3JD2J	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z89TW4	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 2 - YSTR Results

ZG6ZYN	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZK39FR	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZNM9JE	Yfiler™ Plus								
2	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZPA24W	Yfiler™ Plus								
2	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3 - YSTR Results

3WPUKT	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4FYRGE	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4JX3CE	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7A4R2B	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9BQUYA	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AW62N9	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CX2ZMK	Yfiler™ Plus								
3	37,37	13	18+	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
G8KJJG	PowerPlex® Y 23								
3		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
GEZL7A	Yfiler™ Plus								
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
KJKM7W	Yfiler™ Plus								
3	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
KTJL8Q	Yfiler™ Plus								
3		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
L499NY	Yfiler™ Plus.								
3	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3 - YSTR Results

MBWDA									
3		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
N8ZTBZ Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
PM8AXT Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QC7UHT PowerPlex® Y 23									
3		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
RNR676 PowerPlex® Y 23									
3		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
RQWQZX Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RT97UX Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WMRDRE GTY DETECTOR 29									
3	37,37	13	18,18	13	31	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12
XX426K Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Y3QFXJ Yfiler™ Plus									
3	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YDT2HH Yfiler™ Plus									
3	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

29R4YN	PowerPlex® Y 23								
3e									
2CLCRW	PowerPlex® Y 23								
3e									
2GXZNM									
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
2MKZPL	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
2X3R7H	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
33F7Q9	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3B8ZVD	Yfiler™								
3e	N/A	13	18,18	13	30	25	9	12	13
	14	10	12	20	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12
3CGT7Z									
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
3DVJT6	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
3KTQED	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3UZ4CE	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3Z6PEP	Yfiler™ Plus								
3e	[37]	13	[18]	13	30	25	9	12	13
	14	10	12	-	32	16	15	11	-
	39	-		16	15	22	-		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3e - YSTR Results									
3ZP3MH	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
44KN6P	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
488CRB	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4C33Z8	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
4DPLWY	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
4GRPKF	Yfiler™ Plus								
3e	37,37	13	[18]	13	30	25	9	12	-
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GV3CH	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4MLA2H	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4NPTGK	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4WL8KB	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
62UY3N	Yfiler™								
3e									
6A62NN	Yfiler™								
3e									

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

6ALD2M	Yfiler™								
3e	[REDACTED]								
6EHYWW	Yfiler™								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
6MT2GC	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
6N92ED	Yfiler™								
3e	[REDACTED]								
6QGLAM	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
6UUW3C	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
73KK9J	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
74DCH6	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
77KH47	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
7BJU9J	PowerPlex® Y 23								
3e	[REDACTED]								
7EUVZF	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7HFTCD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

7MN4JL	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7N83MB	Yfiler™ Plus								
3e									
7NZZQC	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PEAWQ	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PGUT8	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PJZB8	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8BDY3H	PowerPlex® Y 23								
3e		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
8Q9GRF	PowerPlex® Y 23								
3e									
8U7WAC	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
8UFDX4	Yfiler™								
3e									
8Z8P78	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
8ZAEDP	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

92H29A	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9HPKHY	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9UJVUD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A2DA6C	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6C34W	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6ZGFF	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8J4Y9	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8NGQB	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A9H6A7	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
AB2KH8	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
ACVRXJ	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AFHJYD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

AKXETB	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
	11	11	16	15	21	10	12		
AVD2NC	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		
AVTCE4	PowerPlex® Y 23								
3e									
B8EHVK	PowerPlex® Y 23								
3e									
BBWKYJ	Yfiler™								
3e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
						21	12		
BD8YLX	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		
BEH4X2	Yfiler™								
3e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
						21	12		
BGND7X	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
	11	11	16	15	21	10	12		
BJBLZD	Yfiler™ Plus								
3e									
BPEDK6	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		
BTJYGH	Yfiler™ Plus								
3e									
BWF9HN	PowerPlex® Y 23								
3e									

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

BY8QK4	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
C9RE82	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CBDJN8	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNHEQ3	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNN6ZD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CR7CCT	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
CRYQHD	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	NT	16	15	22	21	NT	12
CWAWZ6	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D7X77D	Yfiler™ Plus								
3e									
D9RAY7	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DCJJZR	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
DJZNRL	Argus Y12 QS								
3e	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

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

DMLLLN	Yfiler™								
3e	[Redacted]								
DRY2XG	Yfiler™								
3e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
E9ZTAM	Yfiler™								
3e	[Redacted]								
EAQLVD	Yfiler™ Plus								
3e	[Redacted]								
ENYNXF	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
EQH8TZ	PowerPlex® Y 23								
3e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
EVDJP3	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
F9HYAD	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FCGJ6A	Yfiler™ Plus								
3e	[Redacted]								
FCWY4J	Yfiler™								
3e	13	18	13	30	25	9	12	13	
	14	10	12		16	15			
						21			12
FG9KEB	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FHHAH3	Yfiler™ Plus								
3e	[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 3e - YSTR Results

GKPHB6	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GMCGPH	PowerPlex® Y 23								
3e									
GRPRQ6	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HJU9P3	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HUCQH9	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HYHNM8	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JFPZWC	Yfiler™								
3e									
JJ82AW	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JJRRFA	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JP8L27	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JW9BPK	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
JYF9U7	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

JYGJY6	Yfiler™ Plus								
3e	[REDACTED]								
K3V2MK	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
KJ2U3F	Yfiler™								
3e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21		12	
KKWQYH	Yfiler™								
3e	[REDACTED]								
LCXN4A	Yfiler™ Plus								
3e	[REDACTED]								
LH8R9Q	Yfiler™								
3e	NA	13	18,18	13	30	25	9	12	13
	14	10	12	20	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	12
LMY4XV	PowerPlex® Y 23								
3e	nt	nt	nt	nt	nt	nt	nt	nt	nt
	nt	nt	nt	nt	nt	nt	nt	nt	nt
	nt	nt	nt	nt	nt	nt	nt	nt	nt
LNQ7KA	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
LRCYNQ	Yfiler™								
3e	NA	13	18,18	13	30	25	9	12	13
	14	10	12	20	NA	16	15	NA	NA
	NA	NA	NA	NA	NA	NA	21	NA	12
M2CXQW	Yfiler™ Plus								
3e	[37]	13	[18]	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MA4TQU	Yfiler™ Plus								
3e	37	13	18	13	NR	25	9	NR	13
	14	10	12	NR	32	16	15	11	26
	NR	11		16	15	22	21		NR
MAPWP2	PowerPlex® Y 23								
3e	[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 3e - YSTR Results

MFQJFB	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
MG7CBJ	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MKAALC	PowerPlex® Y 23								
3e									
MKNKC4	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ML24L2	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
N36ZFK	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NECY2C	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
NQDYUP	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NR3QQM	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NTE3BR	PowerPlex® Y 23								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
NWFMEW	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NZBKHU	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

P2TMBN	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
P8CWC7	Yfiler™								
3e									
PEVYX	PowerPlex® Y 23								
3e									
PN6KTV	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
PXZ3W4	Yfiler™								
3e									
Q88YGZ	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Q8M498	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QDPYLY	Yfiler™ Plus								
3e									
QKWWKJ	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QP7NK4	PowerPlex® Y 23								
3e									
QPLV2E	Yfiler™								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
QPPXNJ	PowerPlex® Y 23								
3e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	

TABLE 3

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

Item 3e - YSTR Results

QRY2HV	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QTP8UE	PowerPlex® Y 23								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QYXZX7	Yfiler™								
3e									
QZQCTQ	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
R7T2TV	PowerPlex® Y 23								
3e									
RBLUYJ	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RCDKRX	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RY8DVD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RYNMPZ	Yfiler™ Plus								
3e									
T2BN4M	PowerPlex® Y 23								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
T38KUM	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
TEFBNH	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

TPWCAD	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
TXHY8U	PowerPlex® Y 23								
3e	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
U7YNZT	Yfiler™ Plus								
3e									
UD3ZAP	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UHDQ GK	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UQ64EY	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
UWU96Z	Yfiler™								
3e									
V2KE73	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
V4Q2DT	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VBTD9Q	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
VGGVPM	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VHWA3N	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

VLFFLK	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VMNEWT	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
W3C8WK	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WAV2UW	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WDV6LJ	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WF6HKQ	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WH9BGB	PowerPlex® Y 23								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WT7Q69	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WTRXCW	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WZVMCP	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
X8PAHF	Yfiler™								
3e		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
XFYUPH	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

XVQLH7	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XXJG3T	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Y2DU23	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YB2ZEF	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	NR
	14	10	NR	NR	32	16	15	11	NR
	39	NR		16	15	22	21		NR
YB3LNV	Yfiler™								
3e									
YE2WJV	Yfiler™								
3e									
YK4HEY	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YMCWHC	Yfiler™ Plus								
3e	37	13	18	13	30		9	12	
	14	10		20	32	16	15	11	
	39				15	22	21		
YMVZPD	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YTEKZY	Yfiler™								
3e		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YXTFLN	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z3JD2J	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3e - YSTR Results

Z89TW4	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZG6ZYN	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZK39FR	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZNM9JE	Yfiler™ Plus								
3e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZPA24W	Yfiler™ Plus								
3e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
29R4YN	PowerPlex® Y 23								
3sp	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
	11	11	16	15	21	10	12		
2CLCRW	PowerPlex® Y 23								
3sp	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
	11	11	16	15	21	10	12		
2GXZNM									
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
						21	12		
2MKZPL	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
2X3R7H	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
33F7Q9	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
3B8ZVD	Yfiler™								
3sp	N/A	13	18,18	13	30	25	9	12	13
	14	10	12	20	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12
3DVJT6	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15	26		
	11	11	16	15	21	10	12		
3KTQED	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
3UZ4CE	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
3Z6PEP	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21	12		12
3ZP3MH	Yfiler™ Plus								
3sp	37	13	18	13	ND	ND	9	12	13
	ND	10	ND	20	ND	ND	15	11	26
	ND	ND	ND	15	22	21	12		ND

TABLE 3

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

Item 3sp - YSTR Results

44KN6P	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
488CRB	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4C33Z8	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
4DPLWY	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
4GRP KF	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GV3CH	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4MLA2H	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4NPTGK	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4WL8KB	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
62UY3N	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6A62NN	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6ALD2M	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 3sp - YSTR Results

6EHYWW	Yfiler™	3sp	13	18	13	30	25	9	12	13	
			14	10	12	20	16	15			
								21		12	
6MT2GC	PowerPlex® Y 23	3sp	13	18	13	30	25	9	12	13	
			14	10	12	20	16	15		26	
			11	11	16	15		21	10	12	
6N92ED	Yfiler™	3sp	13	9,18	13	30	25	9	12	13	
			14	10	12	20	16	15			
								21		12	
6QGLAM	PowerPlex® Y 23	3sp	13	18	13	30	25	9	12	13	
			14	10	12	20	16	15		26	
			11	11	16	15		21	10	12	
6UUW3C	PowerPlex® Y 23	3sp	13	18	13	30	25	9	12	13	
			14	10	12	20	16	15		26	
			11	11	16	15		21	10	12	
73KK9J	Yfiler™ Plus	3sp	37,37	13	18,18	13	30	25	9	12	13
			14	10	12	20	32	16	15	11	26
			39	11		16	15	22	21		12
74DCH6	Yfiler™ Plus	3sp	37,37	13	18,18	13	30	25	9	12	13
			14	10	12	20	32	16	15	11	26
			39	11		16	15	22	21		12
77KH47	Yfiler™	3sp		13	18,18	13	30	25	9	12	13
			14	10	12	20	16	15			
								21		12	
7BJU9J	PowerPlex® Y 23	3sp		13	18,18	13	30	25	9	12	13
			14	10	12	20	16	15		26	
			11	11	16	15		21	10	12	
7EUVZF	Yfiler™ Plus	3sp	37,37	13	18,18	13	30	25	9	12	13
			14	10	12	20	32	16	15	11	26
			39	11		16	15	22	21		12
7HFTCD	Yfiler™ Plus	3sp	37	13	18	13	30	25	9	12	13
			14	10	12	20	32	16	15	11	26
			39	11		16	15	22	21		12
7MN4JL	Yfiler™ Plus	3sp	37,37	13	18,18	13	30	25	9	12	13
			14	10	12	20	32	16	15	11	26
			39	11		16	15	22	21		12

TABLE 3

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

Item 3sp - YSTR Results

7N83MB	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7NZZQC	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PEAWQ	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PGUT8	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PJZB8	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8BDY3H	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8Q9GRF	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8U7WAC	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
8UFDX4	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8Z8P78	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8ZAEDP	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
92H29A	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
9HPKHY	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9UJVUD	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A2DA6C	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6C34W	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6ZGFF	Yfiler™ Plus								
3sp									
A8J4Y9	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8NGQB	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A9H6A7	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
AB2KH8	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
ACVRXJ	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AFHJYD	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AKXETB	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
AVD2NC	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AVTCE4	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
B8EHVK	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BBWKYJ	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
BD8YLX	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BEH4X2	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
BGND7X	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BJBLZD	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BPEDK6	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BTJYGH	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BWF9HN	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BY8QK4	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
C9RE82	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CBDJN8	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNHEQ3	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	ND	16	15	ND	26
	39	11		16	ND	22	21		12
CNN6ZD	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CR7CCT	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
CRYQHD	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	NT	16	15	22	21	NT	12
CWAWZ6	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D7X77D	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D9RAY7	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DCJJZR	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
DJZNR	Argus Y12 QS								
3sp	-	13	18	13	30	25	9	12	13
	14	10	12	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
DMLLN	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
DRY2XG	Yfiler™								
3sp	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
E9ZTAM	Yfiler™								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
EAQLVD	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ENYNXF	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
EQH8TZ	PowerPlex® Y 23								
3sp	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
EVDJP3	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			26
		11	11	16	15	21	10		12
F9HYAD	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FCGJ6A	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FCWY4J	Yfiler™								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
FG9KEB	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FHHAH3	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GKPHB6	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3sp - YSTR Results

GMCGPH	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
GRPRQ6	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HJU9P3	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HUCQH9	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HYHNM8	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JFPZWC	Yfiler™								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
JJ82AW	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JJRRFA	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JP8L27	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JW9BPK	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
JYF9U7	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JYGJY6	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3sp - YSTR Results

K3V2MK	PowerPlex® Y 23									
	3sp	13	18	13	30	25	9	12	13	
		14	10	12	20	16	15	26		
		11	11	16	15		21	10	12	
KJ2U3F	Yfiler™									
	3sp	13	18,18	13	30	25	9	12	13	
		14	10	12	20	16	15			
							21		12	
KKWQYH	Yfiler™									
	3sp	13	18	13	30	25	9	12	13	
		14	10	12	20	16	15			
							21		12	
LCXN4A	Yfiler™ Plus									
	3sp	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
		39	11		16	15	22	21	12	
LH8R9Q	Yfiler™									
	3sp	NA	13	18,18	13	30	25	9	12	13
		14	10	12	20	NA	16	15	NA	NA
		NA	NA	NA	NA	NA	21	NA	12	
LMY4XV	PowerPlex® Y 23									
	3sp	13	18	13	30	25	9	12	13	
		14	10	12	20	16	15	26		
		11	11	16	15		21	10	12	
LNQ7KA	Yfiler™ Plus									
	3sp	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
		39	11		16	15	22	21	12	
LRCYNQ	Yfiler™									
	3sp	NA	13	18,18	13	30	25	9	12	13
		14	10	12	20	NA	16	15	NA	NA
		NA	NA	NA	NA	NA	21	NA	12	
M2CXQW	Yfiler™ Plus									
	3sp	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
		39	11		16	15	22	21	12	
MA4TQU	Yfiler™ Plus									
	3sp	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
		39	11		16	15	22	21	12	
MAPWP2	PowerPlex® Y 23									
	3sp	13	18,18	13	30	25	9	12	13	
		14	10	12	20	16	15	26		
		11	11	16	15		21	10	12	
MFQJFB	Yfiler™									
	3sp	13	18	13	30	25	9	12	13	
		14	10	12	20	16	15			
							21		12	

TABLE 3

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

Item 3sp - YSTR Results

MG7CBI	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MKAALC	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
MKNKC4	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ML24L2	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
N36ZFK	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NECY2C	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
NQDYUP	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NR3QQM	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NTE3BR	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
NWFMEW	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
NZBKHU	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
P2TMBN	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

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

Item 3sp - YSTR Results

P8CWC7	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
PEVYX	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
PN6KTV	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
PXZ3W4	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
Q88YGZ	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Q8M498	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QDPYLY	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QKWWKJ	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QP7NK4	PowerPlex® Y 23								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QPLV2E	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
QPPXNJ	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QRY2HV	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3sp - YSTR Results										
QTP8UE	PowerPlex® Y 23									
3sp	13	18,18	13	30	25	9	12	13		
	14	10	12	20	16	15	26			
	11	11	16	15	21	10	12			
QYXZX7	Yfiler™									
3sp	13	18	13	30	25	9	12	13		
	14	10	12	20	16	15	26			
						21				12
QZQCTQ	Yfiler™ Plus									
3sp	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			
R7T2TV	PowerPlex® Y 23									
3sp	13	18,18	13	30	25	9	12	13		
	14	10	12	20	16	15	26			
	11	11	16	15	21	10	12			
RBLUYJ	Yfiler™ Plus									
3sp	37,37	13	18,18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			
RCDKRX	Yfiler™ Plus									
3sp										
RY8DVD	Yfiler™ Plus									
3sp	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			
RYNMPZ	Yfiler™ Plus									
3sp	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			
T2BN4M	PowerPlex® Y 23									
3sp	13	18,18	13	30	25	9	12	13		
	14	10	12	20	16	15	26			
	11	11	16	15	21	10	12			
T38KUM	Yfiler™									
3sp	13	18,18	13	30	25	9	12	13		
	14	10	12	20	16	15	26			
						21				12
TEFBNH	Yfiler™ Plus									
3sp	37,37	13	18,18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			
TPWCAD	Yfiler™ Plus									
3sp	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11	16	15	22	21	12			

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
TXHY8U	PowerPlex® Y 23								
3sp	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
U7YNZT	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
UD3ZAP	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
UHDQGK	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
UQ64EY	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
UWU96Z	Yfiler™								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
						21		12	
V2KE73	Yfiler™								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
						21		12	
V4Q2DT	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
VBTD9Q	PowerPlex® Y 23								
3sp	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
VGGVPM	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
VHWA3N	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	
VLFFLK	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	16	15	22	21		12	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
VMNEWT	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
W3C8WK	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WAV2UW	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WDV6LJ	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WF6HKQ	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WH9BGB	PowerPlex® Y 23								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WT7Q69	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WTRXCW	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WZVMCP	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
X8PAHF	Yfiler™								
3sp		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
XFYUPH	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XVQLH7	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3sp - YSTR Results

XXJG3T	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Y2DU23	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YB2ZEF	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YB3LNV	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YE2WJV	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YK4HEY	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YMCWHC	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YMVZPD	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YTEKZY	Yfiler™								
3sp		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YXTFLN	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z3JD2J	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z89TW4	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 3sp - YSTR Results

ZG6ZYN	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZK39FR	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZNM9JE	Yfiler™ Plus								
3sp	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZPA24W	Yfiler™ Plus								
3sp	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

2CLCRW	PowerPlex® Y 23								
4	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
2GXZNM									
4	13	18	13	30	25	9	12	13	
	14	10	12	20	15,16	15			
						21		12	
2MKZPL	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
2X3R7H	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
33F7Q9	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3B8ZVD	Yfiler™								
4	N/A	13	18,18	13	30	25	9	12	13
	14	10	12	20	N/A	16	15	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	21	N/A	12
3DVJT6	PowerPlex® Y 23								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
3KTQED	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3UZ4CE	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3WPUKT	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3Z6PEP	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
3ZP3MH	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

488CRB	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4C33Z8	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
4DPLWY	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
4FYRGE	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GRPKF	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4GV3CH	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4JX3CE	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4MLA2H	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4NPTGK	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
4WL8KB	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
62UY3N	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
6A62NN	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 4 - YSTR Results

6ALD2M	Yfiler™								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
6EHYWW	Yfiler™								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
6MT2GC	PowerPlex® Y 23								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
		11	11	16	15	21	10		12
6N92ED	Yfiler™								
4	13	9,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
6QGLAM	PowerPlex® Y 23								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
		11	11	16	15	21	10		12
6UUW3C	PowerPlex® Y 23								
4	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
		11	11	16	15	21	10		12
73KK9J	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
74DCH6	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
77KH47	Yfiler™								
4	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15			
						21			12
7A4R2B	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7EUVZF	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7HFTCD	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

7MN4JL	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7N83MB	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7NZZQC	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PEAWQ	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PGUT8	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
7PJZB8	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
8U7WAC	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
8UFDX4	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8Z8P78	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
8ZAEDP	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
92H29A	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9BQUYA	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

9HPKHY	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9QEZHH	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
9UJVUD	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A2DA6C	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A6C34W	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8J4Y9	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A8NGQB	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
A9H6A7	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
AB2KH8	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
ACVRXJ	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AFHJYD	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AKXETB	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12

TABLE 3

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

Item 4 - YSTR Results

AVD2NC	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
AVTCE4	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
AW62N9	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
B8EHVK	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BD8YLX	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BEH4X2	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
BGND7X	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BJBLZD	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BPEDK6	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BTJYGH	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
BWF9HN	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
BY8QK4	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

C9RE82	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CBDJN8	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CNHEQ3	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CR7CCT	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
CRYQHD	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	NT	16	15	22	21	NT	12
CWAWZ6	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
CX2ZMK	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
D9RAY7	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DCJJZR	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
DMLLLN	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
DRY2XG	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
E9ZTAM	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12

TABLE 3

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

Item 4 - YSTR Results

ENYNXF	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
EQH8TZ	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
EVDJP3	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
F9HYAD	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FG9KEB	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
FHHAH3	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
G8KJJG	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
GEZL7A	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GKPHB6	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
GRPRQ6	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HJU9P3	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
HUCQH9	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

HYHNM8 Yfiler™ Plus									
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JFPZWC Yfiler™									
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
JJ82AW Yfiler™ Plus									
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JP8L27 Yfiler™ Plus									
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JW9BPK PowerPlex® Y 23									
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
JYF9U7 Yfiler™ Plus									
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
K3V2MK PowerPlex® Y 23									
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
KJ2U3F Yfiler™									
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
KJKM7W Yfiler™ Plus									
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
KKWQYH Yfiler™									
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
KTJL8Q									
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
L499NY Yfiler™ Plus									
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

LCXN4A		Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
LH8R9Q		Yfiler™								
4	NA	13	18,18	13	30	25	9	12	13	
	14	10	12	20	NA	16	15	NA	NA	
	NA	NA	NA	NA	NA	NA	21	NA	12	
LMY4XV										
4		13	18	13	30	25	9	12	13	
	14	10	12	20		16	15		26	
		11	11	16	15		21	10	12	
LNQ7KA		Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
LRCYNQ		Yfiler™								
4	NA	13	18,18	13	30	25	9	12	13	
	14	10	12	20	NA	16	15	NA	NA	
	NA	NA	NA	NA	NA	NA	21	NA	12	
M2CXQW		Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
M4JUDQ		Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
MA4TQU		Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
MBVDA										
4		13	18,18	13	30	25	9	12	13	
	14	10	12	20		16	15			
							21		12	
MFQJFB		Yfiler™								
4		13	18	13	30	25	9	12	13	
	14	10	12	20		16	15			
							21		12	
MG7CBJ		Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	
MKNKC4		Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13	
	14	10	12	20	32	16	15	11	26	
	39	11		16	15	22	21		12	

TABLE 3

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

Item 4 - YSTR Results

N36ZFK	Yfiler™ Plus									
	4	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
NECY2C	Yfiler™									
	4		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21			12
NQDYUP	Yfiler™ Plus									
	4	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
NR3QQM	Yfiler™ Plus									
	4	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
NTE3BR	PowerPlex® Y 23									
	4		13	18,18	13	30	25	9	12	13
		14	10	12	20		16	15		26
		11	11	16	15		21	10		12
NWFMEW	Yfiler™ Plus									
	4	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
NZBKHU	Yfiler™ Plus									
	4	37,37	13	18,18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
P2TMBN	PowerPlex® Y 23									
	4		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		26
		11	11	16	15		21	10		12
P8CWC7	Yfiler™									
	4		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21			12
PM8AXT	Yfiler™ Plus									
	4	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
PN6KTV	Yfiler™ Plus									
	4	37	13	18	13	30	25	9	12	13
		14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21			12
PXZ3W4	Yfiler™									
	4		13	18	13	30	25	9	12	13
		14	10	12	20		16	15		
							21			12

TABLE 3

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

Item 4 - YSTR Results

Q88YGZ	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Q8M498	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QC7UHT	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QDPPLY	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QKWWKJ	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QP7NK4	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QPLV2E	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
QPPXNJ	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QRY2HV	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
QTP8UE	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
QYXX7	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
QZQCTQ	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

RBLUYJ	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RNR676	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
RQWQZX	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RT97UX	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
RY8DVD	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
T2BN4M	PowerPlex® Y 23								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
T38KUM	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12
TEFBNH	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
TPWCAD	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UD3ZAP	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UHDQGK	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
UWU96Z	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
							21		12

TABLE 3

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

Item 4 - YSTR Results

V2KE73	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
V4Q2DT	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VGGVPM	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VHWA3N	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
VLFFLK	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
W3C8WK	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WAV2UW	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WDV6LJ	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WF6HKQ	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WH9BGB	PowerPlex® Y 23								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		26
		11	11	16	15		21	10	12
WMRDRE	GTY DETECTOR 29								
4	37,37	13	18,18	13	31	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11	11	16	15	22	21	10	12
WT7Q69	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

WTRXCW	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
WZVMCP	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
X8PAHF	Yfiler™								
4		13	18,18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
XFYUPH	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XVQLH7	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XX426K	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
XXJG3T	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Y2DU23	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
Y3QFXJ	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YB2ZEF	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YB3LNV	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YDT2HH	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4 - YSTR Results

YE2WJV	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YK4HEY	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YMCWHC	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YMVZPD	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
YTEKZY	Yfiler™								
4		13	18	13	30	25	9	12	13
	14	10	12	20		16	15		
							21		12
YXTFLN	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z3JD2J	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
Z89TW4	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZK39FR	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZNM9JE	Yfiler™ Plus								
4	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZPA24W	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZYNR6F	Yfiler™ Plus								
4	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4e - YSTR Results

29R4YN	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
3CGT7Z	PowerPlex® Y 23								
4e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
7BJU9J	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
8BDY3H	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
8Q9GRF	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
BBWKYJ	Yfiler™								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
						21		12	
CNN6ZD	Yfiler™ Plus								
4e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DJZNRJ	Argus Y12 QS								
4e	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
FCGJ6A	Yfiler™ Plus								
4e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
JJRRFA	Yfiler™ Plus								
4e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
MAPWP2	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
ML24L2	Yfiler™ Plus								
4e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results									
PEVYX	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
R7T2TV	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
TXHY8U	PowerPlex® Y 23								
4e	13	18,18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
UQ64EY	PowerPlex® Y 23								
4e	13	18	13	30	25	9	12	13	
	14	10	12	20	16	15		26	
	11	11	16	15		21	10	12	
VMNEWT	Yfiler™ Plus								
4e	37,37	13	18,18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
ZG6ZYN	Yfiler™ Plus								
4e	37	13	18	13	30	25	9	12	13
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12

TABLE 3

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

Item 4sp - YSTR Results

29R4YN	PowerPlex® Y 23								
4sp	[REDACTED]								
3CGT7Z	PowerPlex® Y 23								
4sp	[REDACTED]								
7BJU9J	PowerPlex® Y 23								
4sp	[REDACTED]								
8BDY3H	PowerPlex® Y 23								
4sp	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
8Q9GRF	PowerPlex® Y 23								
4sp	[REDACTED]								
BBWKYJ	Yfiler™								
4sp	[REDACTED]								
CNN6ZD	Yfiler™ Plus								
4sp	37	13	[18]	13	30	25	9	12	
	14	10	12	20	32	16	15	11	26
	39	11		16	15	22	21		12
DJZNRJ	Argus Y12 QS								
4sp	-	13	18	13	30	25	9	12	13
	14	10	12	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
FCGJ6A	Yfiler™ Plus								
4sp	[REDACTED]								
JJRRFA	Yfiler™ Plus								
4sp		13	18	13	30			12	13
		10		20	32	16	15		26
	39	11			15	22			12
MAPWP2	PowerPlex® Y 23								
4sp	[REDACTED]								
ML24L2	Yfiler™ Plus								
4sp	[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 4sp - YSTR Results

PEVYX	PowerPlex® Y 23								
4sp	[REDACTED]								
R7T2TV	PowerPlex® Y 23								
4sp	[REDACTED]								
TXHY8U	PowerPlex® Y 23								
4sp	-	-	-	-	-	-	-	-	-
UQ64EY	PowerPlex® Y 23								
4sp	[REDACTED]								
VMNEWT	Yfiler™ Plus								
4sp	[37]	13	[18]	13	30	25	9	12	
	14	10		20	32	16	15	11	26
	39	11		16	15	22	21		12
ZG6ZYN	Yfiler™ Plus								
4sp	[37]	13		13	30				
	14	10			32	16	15		
		11				22			

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
DXS10074	EQH8TZ	16,18	8		8,16,18	8	8		
DXS10079	EQH8TZ	18,20	19		18,19,20	19	19		
DXS10101	EQH8TZ	31.2,33.2	27.2		27.2,31.2,33.2	27.2	27.2		
DXS10103	EQH8TZ	18,19	20		18,19,20	20	20		
DXS10134	EQH8TZ	34,42.3	37		34,37,42.3	37	37		
DXS10135	EQH8TZ	18,24	24		18,24	24	24		
DXS10146	EQH8TZ	28,28	29		28,29	29	29		
DXS10148	EQH8TZ	25.1,32.2	25.1		25.1,32.2	25.1	25.1		
DXS7132	EQH8TZ	13,14	14		13,14	14	14		
DXS7423	EQH8TZ	14,14	15		14,15	15	15		
DXS8378	EQH8TZ	10,12	11		10,11,12	11	11		
F13A01	MBWDA	6,7	6,7	6,7			6,7		
F13B	MBWDA	9,9	9,10	9,10			9,10		
FESFPS	MBWDA	11,11	10,12	10,11,12			10,12		
HPRTB	EQH8TZ	14,14	12		12,14	12	12		
LPL	MBWDA	11,12	10,12	10,11,12			10,12		
PENTA C	MBWDA	11,12	9,15	9,11,12,15			9,15		
QS1	BPEDK6	Q	Q						
	FHHAH3	Q	Q		Q	Q	Q		
	KJ2U3F	Q	Q		Q	Q	Q		
	NQD9X2	Q	Q		Q	Q	Q		
QS2	BPEDK6	S	S						
	FHHAH3	S	S		S	S	S		
	KJ2U3F	S	S		S	S	S		
	NQD9X2	S	S		S	S	S		

Mitochondrial DNA - HVRI Results

TABLE 5a - ITEM 1

Polymorphisms from Reference Sequence

	16519.0
ITEM 1	
3CGT7Z	C
WHLJ7J	C

TABLE 5a - ITEM 2

Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0	16357.0	16519.0
ITEM 2						
3CGT7Z	T	C	C	T	C	C
6N92ED	T	C	C	T	C	
EQH8TZ	T	C	C	T		
GEZL7A	T	C	C	T	C	
MEFRBZ	T	C	C	T	C	
U2BFXT	T	C	C	T	C	
WHLJ7J	T	C	C	T	C	C
YDT2HH	T	C	C	T	C	

TABLE 5a - ITEM 3

Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0
ITEM 3				
EQH8TZ	T	C	C	T

TABLE 5a - ITEM 4
Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0	16357.0	16519.0
ITEM 4						
3CGT7Z	T	C	C	T	C	C
EQH8TZ	T	C	C	T		
GEZL7A	T	C	C	T	C	
MEFRBZ	T	C	C	T	C	
U2BFXT	T	C	C	T	C	
WHLJ7J	T	C	C	T	C	C
YDT2HH	T	C	C	T	C	

Mitochondrial DNA - HVRI Results

TABLE 5b

Bases Sequenced: HVR I

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
3CGT7Z	16024-16569	16024-16569		16024-16569
6N92ED	16024-16365	16024-16365		
EQH8TZ	73-340	73-340	73-340	73-340
GEZL7A	16024-16365	16024-16365		16024-16365
MEFRBZ	16024-16365	16024-16365	16024-16365	16024-16365
U2BFXT	16024-16395	16024-16387		16024-16395
WHLJ7J	16024-16569	16024-16569	Not processed	16024-16569
YDT2HH	50-16400	50-16400		50-16400

Mitochondrial DNA - HVRII Results

TABLE 6a - ITEM 1

Polymorphisms from Reference Sequence

	263.0	315.0	315.1	477.0
ITEM 1				
3CGT7Z	G		C	
6N92ED	G		C	
EQH8TZ	G		C	
GEZL7A	G		C	
MEFRBZ	G	.1C		
U2BFXT	G		C	
WHLJ7J	G		C INS	C
YDT2HH	G	.1C		

TABLE 6a - ITEM 2

Polymorphisms from Reference Sequence

	73.0	249.0	263.0	289.0	290.0	291.0	315.0	315.1	489.0	493.0	523.0	524.0
ITEM 2												
3CGT7Z	G	del	G		del	del		C				
6N92ED	G	Del	G	Del	Del			C				
EQH8TZ	G	DEL	G		DEL	DEL		C				
GEZL7A	G	DEL	G		DEL	DEL		C				
MEFRBZ	G	-	G		-	-	.1C					
U2BFXT	G	Deletion	G		Deletion	Deletion		C				
WHLJ7J	G	A DEL	G		A DEL	A DEL		C INS	C	G	A DEL	C DEL
YDT2HH	G	DEL	G		DEL	DEL	.1C					

TABLE 6a - ITEM 3

Polymorphisms from Reference Sequence

	73.0	249.0	263.0	290.0	291.0	315.1
ITEM 3						
EQH8TZ	G	DEL	G	DEL	DEL	C

TABLE 6a - ITEM 4

Polymorphisms from Reference Sequence

	73.0	249.0	263.0	290.0	291.0	315.0	315.1	489.0	493.0	523.0	524.0
ITEM 4											
3CGT7Z	G	del	G	del	del		C				
EQH8TZ	G	DEL	G	DEL	DEL		C				
GEZL7A	G	DEL	G	DEL	DEL		C				
MEFRBZ	G	-	G	-	-	.1C					
U2BFXT	G	Deletion	G	Deletion	Deletion		C				
WHLJ7J	G	A DEL	G	A DEL	A DEL		C INS	C	G	A DEL	C DEL
YDT2HH	G	DEL	G	DEL	DEL	.1C					

Mitochondrial DNA - HVRII Results

TABLE 6b

Bases Sequenced: HVR II

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
3CGT7Z	1-340	1-340		1-340
6N92ED	73-340	73-340		
EQH8TZ	16024-16356	16024-16356	16024-16356	16024-16356
GEZL7A	73-340	73-340		73-340
MEFRBZ	73-340	73-340	73-340	73-340
U2BFXT	46-397	39-397		39-397
WHLJ7J	1-576	1-576	Not processed	1-576
YDT2HH	50-350	50-350		50-350

DNA Interpretations

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

TABLE 7

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
22PN2H	Yes	No	Yes	Yes	3H6WB3	Yes	No	Yes	Yes
29R4YN	Yes	No	Yes	Yes	3J6T7R	Yes	No	Yes	Yes
2BRNA2	Yes	No	Yes	Yes	3JYKTY	Yes	No	Yes	Yes
2CLCRW	Yes	No	Yes	Yes	3KTQED	Yes	No	Yes	Yes
2FMPMW	Yes	No	Yes	Yes	3KUML3	Yes	No	Yes	Yes
2GXZNM	No Interp	No Interp	Yes	Yes	3MXMDM	Yes	No	Yes	Yes
2J4M4C	Yes	No	Yes	Yes	3NT6EN	Yes	No	Yes	Yes
2MKZPL	Yes	No	Yes	Yes	3RGUGV	Yes	No	Yes	Yes
2RCULF	Yes	No	Yes	Yes	3UYRDJ	Yes	No	Yes	Yes
2WA9FX	Yes	No	Yes	Yes	3UYWP8	Yes	No	Yes	Yes
2WTGF7	Yes	No	Yes	Yes	3UZ4CE	Yes	No	Yes	Yes
2X3R7H	Yes	No	Yes	Yes	3WPUKT	Yes	No	Yes	Yes
2XLRFU	Yes	No	Yes	Yes	3YEGEM	Yes	No	Yes	Yes
2YJL9D	Yes	No	Yes	Yes	3Z6PEP	Yes	No	Yes	Yes
33F7Q9	Yes	No	Yes	Yes	3ZP3MH	Yes	No	Yes	Yes
33JZLV	Yes	No	Yes	Yes	44KN6P	Yes	No	Yes	Yes
33VWTU	Yes	No	Yes	Yes	44M9WY	Yes	No	Yes	Yes
347T7C	Yes	No	Yes	Yes	488CRB	Yes	No	Yes	Yes
38NR4L	Yes	No	Yes	Yes	4AQHYK	Yes	No	Yes	Yes
3B8ZVD	Yes	No	Yes	Yes	4AT3QU	Yes	No	Yes	Yes
3CGT7Z	Yes	No	Yes	Yes	4BNYJF	Yes	No	Yes	Yes
3DQQTQ	Yes	No	Yes	Yes	4C33Z8	Yes	No	Yes	Yes
3DVJT6	Yes	No	Yes	Yes	4CXTXA	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
4DPLWY	Yes	No	Yes	Yes	6EHYWW	Yes	No	Yes	Yes
4FFV3U	Yes	No	Yes	Yes	6EV8NQ	Yes	No	Yes	Yes
4FYRGE	Yes	No	Yes	Yes	6FGZ6A	Yes	No	Yes	Yes
4GB32K	Yes	No	Yes	Yes	6GMWGK	Yes	No	Yes	Yes
4GRPKF	Yes	No	Yes	Yes	6K4BWE	Yes	No	Yes	Yes
4GV3CH	Yes	No	Yes	Yes	6MT2GC	Yes	No	Yes	Yes
4JGBKC	Yes	No	Yes	Yes	6MTT2K	Yes	No	Yes	Yes
4JX3CE	Yes	No	Yes	Yes	6N92ED	Yes	No	Yes	Yes
4L2HLK	Yes	No	Yes	Yes	6QGLAM	Yes	No	Yes	Yes
4MLA2H	Yes	No	Yes	Yes	6RC6HF	Yes	No	Yes	Yes
4NPTGK	Yes	No	Yes	Yes	6UUW3C	Yes	No	Yes	Yes
4QW8AJ	Yes	No	Yes	Yes	6YMY7C	Yes	No	Yes	Yes
4TAZJ8	Yes	No	Yes	Yes	72MABV	Yes	No	Yes	Yes
4WL8KB	Yes	No	Yes	Yes	72TC9G	Yes	No	Yes	Yes
62UY3N	Yes	No	Yes	Yes	738UCM	Yes	No	Yes	Yes
63MQC9	Yes	No	Yes	Yes	73KK9J	Yes	No	Yes	Yes
63TGHC	Yes	No	Yes	Yes	74DCH6	Yes	No	Yes	Yes
63UNVK	Yes	No	Yes	Yes	74DQWK	Yes	No	Yes	Yes
6696MJ	Yes	No	Yes	Yes	77G4AH	No Interp	No	No Interp	Yes
67M4QL	Yes	No	Yes	Yes	77KH47	Yes	No	Yes	Yes
68Y7VT	Yes	No	Yes	Yes	7A4R2B	Yes	No	Yes	Yes
6A62NN	Yes	No	Yes	Yes	7BJU9J	Yes	No	Yes	Yes
6ALD2M	Yes	No	Yes	Yes	7CJRT6	Yes	No	Yes	Yes
6BHN2W	Yes	No	Yes	Yes	7EUVZF	Yes	No	Yes	Yes
6BPLMU	Yes	No	Yes	Yes	7HFTCD	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
7MN4JL	Yes	No	Yes	Yes	8UFDX4	Yes	No	Yes	Yes
7N83MB	Yes	No	Yes	Yes	8WD9TY	Yes	No	Yes	Yes
7NZZQC	Yes	No	Yes	Yes	8Z8P78	Yes	No	Yes	Yes
7PEAWQ	Yes	No	Yes	Yes	8ZAEDP	Yes	No	Yes	Yes
7PGUT8	Yes	No	Yes	Yes	8ZCGKN	Yes	No	Yes	Yes
7PJZB8	Yes	No	Yes	Yes	92H29A	Yes	No	Yes	Yes
7PXLTX	Yes	No	Yes	Yes	92HTCH	Yes	No	Yes	Yes
7QG334					92YL8R	Yes	No	Yes	Yes
7VP9L4	Yes	No	Yes	Yes	93BTHU	Yes	No	Yes	Yes
7WBUWK	Yes	No	Yes	Yes	9BQUYA	Yes	No	Yes	Yes
7Y4K3Y	Yes	No	Yes	Yes	9DEDW2	Yes	No	Yes	Yes
7Y9JFM	Yes	No	Yes	Yes	9DEVYK	Yes	No	Yes	Yes
7ZVNPE	Yes	No	Yes	Yes	9FP9NK	Yes	No	Yes	Yes
7ZX9KV	Yes	No	Yes	Yes	9H6FNM	Yes	No	Yes	Yes
82MKU6	Yes	No	Yes	Yes	9H9GRE	Yes	No	Yes	Yes
89PJGN	Yes	No	Yes	Yes	9HPKHY	Yes	No	Yes	Yes
8BDY3H	Yes	No	Yes	Yes	9QEZH H	Yes	No	Yes	Yes
8BUB8G	Yes	No	Yes	Yes	9RACNJ	Yes	No	Yes	Yes
8F8EBK	Yes	No	Yes	Yes	9RXYFU	Yes	No	Yes	Yes
8GJTWD	Yes	No	Yes	Yes	9TM8LP	Yes	No	Yes	Yes
8Q9GRF	Yes	No	Yes	Yes	9UJVUD	Yes	No	Yes	Yes
8QKVNJ	Yes	No	Yes	Yes	9VXACU	Yes	No	Yes	Yes
8RF8UJ	Yes	No	Yes	Yes	9XMHGP	Yes	No	Yes	Yes
8RZ2GF	Yes	No	Yes	Yes	A2DA6C	Yes	No	Yes	Yes
8U7WAC	Yes	No	Yes	Yes	A4926P	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
A6C34W	Yes	No	Yes	Yes	BEH4X2	Yes	No	Yes	Yes
A6ZGFF	Yes	No	Yes	Yes	BGND7X	No Interp	No Interp	Yes	Yes
A78YCQ	Yes	No	Yes	Yes	BHML4A	Yes	No	Yes	Yes
A7BQJR	Yes	No	Yes	Yes	BHVUVG	Yes	No	Yes	Yes
A7NYBL	Yes	No	Yes	Yes	BHZPQ3	Yes	No	Yes	Yes
A8J4Y9	Yes	No	Yes	Yes	BJBLZD	Yes	No	Yes	Yes
A8NGQB	Yes	No	Yes	Yes	BL6LJP	Yes	No	Yes	Yes
A9H6A7	Yes	No	Yes	Yes	BLJ4AN	Yes	No	Yes	Yes
AB2KH8	Yes	No	Yes	Yes	BLVFE	Yes	No	Yes	Yes
ACJ4QQ	Yes	No	Yes	Yes	BP2DNF	Yes	No	Yes	Yes
ACVRXJ	Yes	No	Yes	Yes	BPEDK6	Yes	No	Yes	Yes
AFHJYD	Yes	No	Yes	Yes	BQVKUT	Yes	No	Yes	Yes
AKXETB	Yes	No	Yes	Yes	BTDX7F	Yes	No	Yes	Yes
AMHKZM	Yes	No	Yes	Yes	BTJYGH	Yes	No	Yes	Yes
AMKT4K	Yes	No	Yes	Yes	BUT4TK	Yes	No	Yes	Yes
AR8YM9	Yes	No	Yes	Yes	BV8XLK	Yes	No	Yes	Yes
AT7JUM	Yes	No	Yes	Yes	BWF9HN	Yes	No	Yes	Yes
AU3Y3D	Yes	No	Yes	Yes	BWLFQC	Yes	No	Yes	Yes
AVD2NC	Yes	No	Yes	Yes	BY8QK4	Yes	No	Yes	Yes
AVTCE4	Yes	No	Yes	Yes	C347QC	Yes	No	Yes	Yes
AW62N9	Yes	No	Yes	Yes	C3GHR9	Yes	No	Yes	Yes
B372F4	Yes	No	Yes	Yes	C4DWF2	Yes	No	Yes	Yes
B8EHVK	Yes	No	Yes	Yes	C4T3YX	Inc	No	Yes	Yes
BBWKYJ	Yes	No	Yes	Yes	C4UGG6	Yes	No	Yes	Yes
BD8YLX	Yes	No	Yes	Yes	C7LJ4K	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
C8EEVM	Yes	No	Yes	Yes	DCJJZR	Yes	No	Yes	Yes
C98XGF	Yes	No	Yes	Yes	DECUZF	Yes	No	Yes	Yes
C9RE82	Yes	No	Yes	Yes	DGFKDM	Yes	No	Yes	Yes
CBDJN8	Yes	No	Yes	Yes	DGGYVU	Yes	No	Yes	Yes
CBZY8H	Yes	No	Yes	Yes	DJZNRL	Yes	No	Yes	Yes
CEEP4D	Yes	No	Yes	Yes	DKJFWP	Yes	No	Yes	Yes
CGMA3T	Yes	No	Yes	Yes	DMKL74	Yes	No	Yes	Yes
CHV8ZN	Yes	No	Yes	Yes	DMLLLN	Yes	No	Yes	Yes
CHZMFA	Yes	No	Yes	Yes	DPADCL	Yes	No	Yes	Yes
CNFA4K	Yes	No	Yes	Yes	DRLXJA	Yes	No	Yes	Yes
CNHEQ3	Yes	No	Yes	Yes	DRY2XG	Yes	No	Yes	Yes
CNN6ZD	Yes	No	Yes	Yes	DUK2YH	Yes	No	Yes	Yes
CQCGXX	Yes	No	Yes	Yes	DVYNUW	Yes	No	Yes	Yes
CR7CCT	Yes	No	Yes	Yes	E2VQU9	Yes	No	Yes	Yes
CRYQHD	Yes	No	Yes	Yes	E3983F	Yes	No	Yes	Yes
CWAWZ6	Yes	No	Yes	Yes	E3UMNC	Yes	No	Yes	Yes
CX2ZMK	Inc	No	Yes	Yes	E9ZTAM	Yes	No	Yes	Yes
D28C7C	Yes	No	Yes	Yes	EAFHNF	Yes	No	Yes	Yes
D4TDGL	Yes	No	Yes	Yes	EAQLVD	Yes	No	Yes	Yes
D7X77D	Yes	No	Yes	Yes	EAUGTH	Yes	No	Yes	Yes
D7YECX	Yes	No	Yes	Yes	EB3T7D	Yes	No	Yes	Yes
D9RAY7	Yes	No	Yes	Yes	EB7EXM	Yes	No	Yes	Yes
DA389G	Yes	No	Yes	Yes	EE9Z3D	Yes	No	Yes	Yes
DAXAZL	Yes	No	Yes	Yes	EFYBQK	Yes	No	Yes	Yes
DBWT6E	Yes	No	Yes	Yes	EKFLZH	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
ENYNXF	Yes	No	Yes	Yes	G7JH7E	Yes	No	Yes	Yes
EQH8TZ	Yes	No	Yes	Yes	G8KJJG	Yes	No	Yes	Yes
EQKWYH	Yes	No	Yes	Yes	G9QT44	Yes	No	Yes	Yes
ERXZTF	Yes	No	Yes	Yes	GEZL7A	Yes	No	Yes	Yes
EVDJP3	Yes	No	Yes	Yes	GGLW9Z	Yes	No	Yes	Yes
EVXA4G	Yes	No	Yes	Yes	GKPHB6	Yes	No	Yes	Yes
F7ULMN	Yes	No	Yes	Yes	GMCGPH	Yes	No	Yes	Yes
F839AN	Yes	No	Yes	Yes	GPJEVP	Yes	No	Yes	Yes
F88BU8	Yes	No	Yes	Yes	GR3XTV	Yes	No	Yes	Yes
F8KBPB	Yes	No	Yes	Yes	GRPRQ6	Yes	No	Yes	Yes
F9HYAD	Yes	No	Yes	Yes	GXD2RB	Yes	No	Yes	Yes
FCGJ6A	Yes	No	Yes	Yes	GYLJYY	Yes	No	Yes	Yes
FCWY4J	Yes	No	Yes	Yes	H3KJBF	Yes	No	Yes	Yes
FELK4G	Yes	No	Yes	Yes	H4G6D3	Yes	No	Yes	Yes
FG9KEB	Yes	No	Yes	Yes	H8HMVA	Yes	No	Yes	Yes
FHHAH3	Yes	No	Yes	Yes	HCC8JK	Yes	No	Yes	Yes
FHMZVX	Yes	No	Yes	Yes	HJU9P3	Yes	No	Yes	Yes
FJTB62	Yes	No	Yes	Yes	HR6XEG	Yes	No	Yes	Yes
FMU8Y3	Yes	No	Yes	Yes	HTDCLM	Yes	No	Yes	Yes
FQ2VP7	Yes	No	Yes	Yes	HU6F93	Yes	No	Yes	Yes
FUY4L9	Yes	No	Yes	Yes	HU8Z6H	Yes	No	Yes	Yes
FWNU78	Yes	No	Yes	Yes	HUCQH9	Yes	No	Yes	Yes
G2R8EP	Yes	No	Yes	Yes	HUMWEA	Yes	No	Yes	Yes
G42389	Yes	No	Yes	Yes	HXUNQ3	Yes	No	Yes	Yes
G4Y4MU	Inc	No	Yes	Yes	HYHNM8	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
HYLHF9	Yes	No	Yes	Yes	K8NQP6	Yes	No	Yes	Yes
J2Z3Q8	Yes	No	Yes	Yes	KAV9E8	Yes	No	Yes	Yes
J3WLR9	Yes	No	Yes	Yes	KB7R24	Yes	No	Yes	Yes
J3ZDV6	Yes	No	Yes	Yes	KF3UCC	Yes	No	Yes	Yes
J7TNKA	Yes	No	Yes	Yes	KGFFPK	Yes	No	Yes	Yes
J8B623	Yes	No	Yes	Yes	KHUWAD	Yes	No	Yes	Yes
J8DBB6	Yes	No	Yes	Yes	KJ2U3F	Yes	No	Yes	Yes
JCNZQD	Yes	No	Yes	Yes	KJ4UEU	Yes	No	Yes	Yes
JF34D4	Yes	No	Yes	Yes	KJKM7W	Yes		Yes	Yes
JFMP6U	Yes	No	Yes	Yes	KKVHLB	Yes	No	Yes	Yes
JFPZWC	Yes	No	Yes	Yes	KKWQYH	Yes	No	Yes	Yes
JJ3E94	Yes	No	Yes	Yes	KR8VA9	Yes	No	Yes	Yes
JJ82AW	Yes	No	Yes	Yes	KT4MHE	Yes	No	Yes	Yes
JJRRFA	Yes	No	Yes	Yes	KTJL8Q	Yes	No	Yes	Yes
JL8XFC	Yes	No	Yes	Yes	KUZ3Q6	Yes	No	Yes	Yes
JP8L27	Yes	No	Yes	Yes	KYBMNX	Yes	No	Yes	Yes
JQ7QPF	Yes	No	Yes	Yes	KYEPUB	Yes	No	Yes	Yes
JRGNUW	Yes	No	Yes	Yes	KYTGP8	Yes	No	Yes	Yes
JU27XH	Yes	No	Yes	Yes	KZ8YTD	Yes	No	Yes	Yes
JVL7F8	Yes	No	Yes	Yes	KZA3LA	Yes	No	Yes	Yes
JW9BPK	Yes	No	Yes	Yes	L46BCW	Yes	No	Yes	Yes
JYF9U7	Yes	No	Yes	Yes	L499NY	Yes	No	Yes	Yes
JYGJY6	Yes	No	Yes	Yes	L7BACQ	Yes	No	Yes	Yes
JZC7LR	Yes	No	Yes	Yes	LABK8Q	Yes	No	Yes	Yes
K3V2MK	Yes	No	Yes	Yes	LCXN4A	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
LH3G7R	Yes	No	Yes	Yes	MM8C7Z	Yes	No	Yes	Yes
LH8R9Q	Yes	No	Yes	Yes	MN3U93	Yes	No	Yes	Yes
LL3366	Yes	No	Yes	Yes	MRMRWR	Yes	No	Yes	Yes
LM42AW	Yes		Yes	Yes	MTXHA3	Yes	No	Yes	Yes
LMY4XV	Yes	No	Yes	Yes	MVAVTB	Yes	No	Yes	Yes
LNQ7KA	Yes	No	Yes	Yes	MVLZ69	Yes	No	Yes	Yes
LP9YW7	Yes	No	Yes	Yes	MW69PB	Yes	No	Yes	Yes
LRCYNQ	Yes	No	Yes	Yes	MXDMTB	Yes	No	Yes	Yes
LUZHKG	Yes	No	Yes	Yes	MYJJ78	Yes	No	Yes	Yes
LXDP44	Yes	No	Yes	Yes	N36ZFK	Yes	No	Yes	Yes
LZYLBU	Yes	No	Yes	Yes	N8VGLJ	Yes	No	Yes	Yes
M2CXQW	Yes	No	Yes	Yes	N8ZTBZ	Yes	No	Yes	Yes
M4JUDQ	Yes	No	Yes	Yes	N9QGQ6	Yes	No	Yes	Yes
M7PKU2	Yes	No	Yes	Yes	NA449J	Yes	No	Yes	Yes
MA4TQU	Yes	No	Yes	Yes	NBV7VY	Yes	No	Yes	Yes
MAPWP2	Yes	No	Yes	Yes	NECY2C	Yes	No	Yes	Yes
MBVDA	Yes	No	Yes	Yes	NHUNEG	Yes	No	Yes	Yes
MEFRBZ	No Interp	No	No Interp	Yes	NLZK8D	Yes	No	Yes	Yes
MFQJFB	Yes	No	Yes	Yes	NQD9X2	Yes	No	Yes	Yes
MG7CBJ	Yes	No	Yes	Yes	NQDYUP	Yes	No	Yes	Yes
MH4C7U	Yes	No	Yes	Yes	NQL9C3	Yes	No	Yes	Yes
MKAALC	Yes	No	Yes	Yes	NR3QQM	Yes	No	Yes	Yes
MKNKC4	Yes	No	Yes	Yes	NTE3BR	Yes	No	Yes	Yes
ML24L2	Yes	No	Yes	Yes	NU42DA	Yes	No	Yes	Yes
MLV39E	Yes	No	Yes	Yes	NUN64H	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
NWFMEW	Yes	No	Yes	Yes	PVHBWG	Yes	No	Yes	Yes
NWUDKP	Yes	No	Yes	Yes	PVHL3D	Yes	No	Yes	Yes
NWYR7N	Yes	No	Yes	Yes	PXZ3W4	Yes	No	Yes	Yes
NZBKHU	Yes	No	Yes	Yes	Q3XNKZ	Yes	No	Yes	Yes
P24CUL	Yes	No	Yes	Yes	Q4ADRJ	Yes	No	Yes	Yes
P297VL	Yes	No	Yes	Yes	Q7E4WD	Yes	No	Yes	Yes
P2TMBN	No Interp	No Interp	Yes	Yes	Q88YGZ	Yes	No	Yes	Yes
P3JTM9	Yes	No	Yes	Yes	Q8M498	Yes	No	Yes	Yes
P3ZJMY	Yes	No	Yes	Yes	QC7UHT	Yes	No	Yes	Yes
P7X3MC	Yes	No	Yes	Yes	QDD4HF	Yes	No	Yes	Yes
P8CWC7	Yes	No	Yes	Yes	QDPYLY	Yes	No	Yes	Yes
PAXNJ2	Yes	No	Yes	Yes	QE8R2B	Yes	No	Yes	Yes
PCKH3N	Yes	No	Yes	Yes	QH3P3M	Yes		Yes	Yes
PDL2JX	Yes	No	Yes	Yes	QHR7HB	Yes	No	Yes	Yes
PDY9A2	Yes	No	Yes	Yes	QKWWKJ	Yes	No	Yes	Yes
PEXVYX	Yes	No	Yes	Yes	QP7NK4	Yes	No	Yes	Yes
PHFY74	Yes	No	Yes	Yes	QPLV2E	Yes	No	Yes	Yes
PHQQAY	Yes	No	Yes	Yes	QPPXNJ	No Interp	No Interp	Yes	Yes
PJL9CZ	Yes	No	Yes	Yes	QRY2HV	Yes	No	Yes	Yes
PM8AXT	Yes	No	Yes	Yes	QTP8UE	Yes	No	Yes	Yes
PN6KTV	Yes	No	Yes	Yes	QUXVZR	Yes	No	Yes	Yes
PP8RM9	Yes	No	Yes	Yes	QVUWWN	Yes	No	Yes	Yes
PPQX72	Yes	No	Yes	Yes	QXY462	Yes	No	Yes	Yes
PQ48VY	Yes	No	Yes	Yes	QYXZX7	Yes	No	Yes	Yes
PTTCUX	Yes	No	Yes	Yes	QZQCTQ	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
R2B8QX	Yes	No	Yes	Yes	T76FHB	Yes	No	Yes	Yes
R2VD79	Yes	No	Yes	Yes	T8F6Z3	Yes	No	Yes	Yes
R48Y7V	Yes	No	Yes	Yes	TA4RGW	Yes	No	Yes	Yes
R4BJY6	Yes	No	Yes	Yes	TA9QTX	Yes	No	Yes	Yes
R7T2TV	Yes	No	Yes	Yes	TBH7ZY	Yes	No	Yes	Yes
R9XFB9	Yes	No	Yes	Yes	TEFBNH	Yes	No	Yes	Yes
RACVQV	Yes	No	Yes	Yes	TLFPC6	Yes	No	Yes	Yes
RAPXDP	Yes	No	Yes	Yes	TNNEJ3	Yes	No	Yes	Yes
RBLUYJ	Yes	No	Yes	Yes	TNQQZH	Yes	No	Yes	Yes
RC4RJV	Yes	No	Yes	Yes	TPWCAD	Yes	No	Yes	Yes
RCDKRX	Yes	No	Yes	Yes	TW32WC	Yes	No	Yes	Yes
RDQ23Q	Yes	No	Yes	Yes	TXHY8U	Yes	No	Yes	Yes
RGQA9L	Yes	No	Yes	Yes	TZ2T6U	Yes	No	Yes	Yes
RKQ7Q7	Yes	No	Yes	Yes	TZWP34	Yes	No	Yes	Yes
RLGJHK	Yes	No	Yes	Yes	U2BFXT	No Interp	No	No Interp	Yes
RNR676	Yes	No	Yes	Yes	U4CJEU	Yes	No	Yes	Yes
RQWQZX	Yes	No	Yes	Yes	U6FTY2	Yes	No	Yes	Yes
RR9UTH	Inc	No	Yes	Yes	U7YNZT	Yes	No	Yes	Yes
RT97UX	Yes	No	Yes	Yes	U8BBU2	Yes	No	Yes	Yes
RUFryp	Yes	No	Yes	Yes	UAQYGT	Yes	No	Yes	Yes
RUTX6L	Yes	No	Yes	Yes	UD3ZAP	Yes	No	Yes	Yes
RY8DVD	Yes	No	Yes	Yes	UEDCX2	Yes	No	Yes	Yes
RYNMPZ	Yes	No	Yes	Yes	UEGHCV	Yes	No	Yes	Yes
T2BN4M	Yes	No	Yes	Yes	UFT3ED	Yes	No	Yes	Yes
T38KUM	Yes	No	Yes	Yes	UHDQGK	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
ULAC9M	Yes	No	Yes	Yes	VHWA3N	Yes	No	Yes	Yes
UPHY9R	Yes	No	Yes	Yes	VL8WH9	Yes	No	Yes	Yes
UQ64EY	Yes	No	Yes	Yes	VLFFLK	Yes	No	Yes	Yes
UQX3ZY	Yes	No	Yes	Yes	VMNEWT	Yes	No	Yes	Yes
UTE9WU	Yes	No	Yes	Yes	VN27MN	No Interp	No Interp	No Interp	No Interp
UTG4VK	Yes	No	Yes	Yes	VQMC4U	Yes	No	Yes	Yes
UTXDUD	Yes	No	Yes	Yes	VRJD3B	Yes	No	Yes	Yes
UV6B43	Yes	No	Yes	Yes	W4BKZ	Yes	No	Yes	Yes
UWU96Z	Yes	No	Yes	Yes	VZDEM V	Yes	No	Yes	Yes
UWYGHT	Yes	No	Yes	Yes	VZE6Z6	Yes	No	Yes	Yes
UX3XCX	Yes	No	Yes	Yes	W3C8WK	Yes	No	Yes	Yes
V2KBY7	Yes	No	Yes	Yes	W3ED42	Yes	No	Yes	Yes
V2KE73	Yes	No	Yes	Yes	W7V9VC	Yes	No	Yes	Yes
V4Q2DT	Yes	No	Yes	Yes	W92BNH	Yes	No	Yes	Yes
V93NVJ	Yes	No	Yes	Yes	WAV2UW	Yes	No	Yes	Yes
V97B9R	Yes	No	Yes	Yes	WCZLJH	Yes	No	Yes	Yes
VAZGN3	Yes	No	Yes	Yes	WDV6LJ	Yes	No	Yes	Yes
VBAW64	Yes	No	Yes	Yes	WE66QQ	Yes	No	Yes	Yes
VBTD9Q	Yes	No	Yes	Yes	WF6HKQ	Yes	No	Yes	Yes
VC9HZ2	Yes	No	Yes	Yes	WH9BGB	Yes	No	Yes	Yes
VCPUFL	Yes	No	Yes	Yes	WHLJ7J	Yes	No	Yes	Yes
VDFRXZ	Yes	No	Yes	Yes	WKB9PH	Yes	No	Yes	Yes
VEVBJJ	Yes	No	Yes	Yes	WMRDRE	Yes	No	Yes	Yes
VF3X94	Yes	No	Yes	Yes	WQHVL R	Yes	No	Yes	Yes
VGGVPM	Yes	No	Yes	Yes	WQX4KU	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
WT7Q69	Yes	No	Yes	Yes	Y2F7DY	Yes	No	Yes	Yes
WTBFXR	Yes	No	Yes	Yes	Y3QFXJ	Yes	No	Yes	Yes
WTRXCW	Yes	No	Yes	Yes	Y6EXVB	Yes	No	Yes	Yes
WVGA9G	Yes	No	Yes	Yes	Y8H2U8	Yes	No	Yes	Yes
WVJU6X	Yes	No	Yes	Yes	Y9QBL6	Yes	No	Yes	Yes
WZM8XH	Yes	No	Yes	Yes	YB2ZEF	Yes	No	Yes	Yes
WZVMCP	Yes	No	Yes	Yes	YB3LNV	Yes	No	Yes	Yes
X4KNL3	Yes	No	Yes	Yes	YDT2HH	Yes	No	Yes	Yes
X8PAHF	Yes	No	Yes	Yes	YE2WJV	Yes	No	Yes	Yes
XB3YXH	Yes	No	Yes	Yes	YFUMUF	Yes	No	Yes	Yes
XFEXDH	Yes	No	Yes	Yes	YFXM2Q	Yes	No	Yes	Yes
XFYUPH	Yes	No	Yes	Yes	YK4HEY	Yes	No	Yes	Yes
XH2NC2	Yes	No	Yes	Yes	YLZP7Q	Yes	No	Yes	Yes
XHMP9Y	Yes	No	Yes	Yes	YMCWHC	Yes	No	Yes	Yes
XKAB2M	Yes	No	Yes	Yes	YMVZPD	Yes	No	Yes	Yes
XKDEQC	Yes	No	Yes	Yes	YNM3CT	Yes	No	Yes	Yes
XN9A66	Yes	No	Yes	Yes	YR7VR2	Yes	No	Yes	Yes
XT3K6Q	Yes	No	Yes	Yes	YTEKZY	Yes	No	Yes	Yes
XVQLH7	Yes	No	Yes	Yes	YUD46R	Yes	No	Yes	Yes
XX426K	Yes	No	Yes	Yes	YUT4QN	Yes	No	Yes	Yes
XXJG3T	Yes	No	Yes	Yes	YW2TBQ	Yes	No	Yes	Yes
XZ4TVR	Yes	No	Yes	Yes	YXTFLN	Yes	No	Yes	Yes
XZHDAU	Yes	No	Yes	Yes	YY6MWP	Yes	No	Yes	Yes
XZPCVR	Yes	No	Yes	Yes	Z3JD2J	Yes	No	Yes	Yes
Y2DU23	Yes	No	Yes	Yes	Z6MCPV	Yes	No	Yes	Yes

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
Z89TW4	Yes	No	Yes	Yes					
Z8W73B	Yes	No	Yes	Yes					
Z9BQTZ	Yes	No	Yes	Yes					
ZA92QN	Yes	No	Yes	Yes					
ZD2QMF	Yes	No	Yes	Yes					
ZG6ZYN	Yes	No	Yes	Yes					
ZJ9NHK	Yes	No	Yes	Yes					
ZK39FR	Yes	No	Yes	Yes					
ZK48KL	Yes	No	Yes	Yes					
ZKHUKM	Yes	No	Yes	Yes					
ZNM9JE	Yes	No	Yes	Yes					
ZNMTB3	Yes	No	Yes	Yes					
ZPA24W	Yes	No	Yes	Yes					
ZTHJJZ	Yes	No	Yes	Yes					
ZV4WAA	Yes	No	Yes	Yes					
ZV88DT	Yes	No	Yes	Yes					
ZWGA4Y	Yes	No	Yes	Yes					
ZY8YBR	Yes	No	Yes	Yes					
ZYNR6F	Yes	No	Yes	Yes					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 615		
<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		602	0	610	613
No		0	606	0	0
Inc		4	0	0	0
No Interpretation		8	5	4	1
No Response		1	4	1	1

Participants analyzing DNA for database purposes only: 0

Additional Comments

TABLE 8

WebCode	Additional Comments
2BRNA2	STRmix used on 3e only
2FMPMW	Reporting with stutter filters on.
2GXZNM	The victim's reference sample was extracted and the amount of DNA present was estimated. However, processing of her sample was discontinued since the evidentiary samples were only being processed for Y-STRs. An additional type was detected in sample 4A ("15" at DYS456). This type is in a stutter position and exceeds the laboratory's stutter threshold (allowed is 14.1%; the "15" is 14.23%). Although this type may simply be elevated stutter, the "15" is conservatively reported on the allele table since it exceeds the laboratory's stutter threshold. This has no significant impact on conclusions. The data will be reported as a predominant profile, but no conclusions are drawn with regard to the additional type.
2WA9FX	ND = not detected
2WTGF7	For Item 3e, the 9.3 allele at locus TH01 may be an artifact, but meets the laboratory interpretation guidelines as a possible allele.
33JZLV	Low-level alleles that were not found in the reference samples were detected. These alleles are reported in parentheses.
347T7C	Item 3 sp carryover in Item 3 epi. Reporting STRmix results with stutter filters on
36FZ96	Items 1 and 2 were not analyzed serologically. Only serological analysis was performed for this PT because analyst is only qualified/authorized to perform serological analysis at this time.
3B8ZVD	N/A = Not Applicable. [] - indicates minor contributor alleles and alleles between analytical and stochastic thresholds.
3DQQTQ	The 99% summary table of STRmix was used for the reported results for the non-sperm fraction of item 3. NR= no results.
3MXMDM	Item 3e was interpreted with assumption that 3sp donor profile is contributor to this mixture. Base on this assumption, three low level minor alleles foreign to 3sp donor profile were detected: 10 allele at D8S1179, 11 allele at D1S1656, and 20 allele at D12S391. These alleles could be artifacts, elevated stutter, or a 3rd contributor. Therefore, sample was interpreted as a three person mixture. NR = no result
3NT6EN	NR = no typing results. For DNA mixtures, STR loci SE33 and D1S1656 are not included in the STRmix interpretations or LR calculations. It should be noted that at SE33, a 21 peak/possible allele was called that is foreign to both the Victim and Suspect.
3RGUGV	Locus D12S391 had to be omitted when entering the sperm fraction of Item 3 into the probabilistic genotyping software (STRmix). The major alleles at that loci were 19.3 and 21. The peak heights for both of those were between 17,000 and 19,000rfu. This caused STRmix to expect a back-stutter peak for allele 21 to be present at approx. 2,000rfu. However, since this stutter peak (bin 20) was one base away from the 19.3 allele, GenemapperID-X (GM) could not resolve the difference between the 19.3 allele peak and the expected 20 back-stutter peak. After initial decons (assuming and not-assuming the victim) in STRmix failed, a decon with higher iterations was run per the SOP. Multiple decons using Mx Priors were used in an attempt to resolve the unintuitive and/or failed decons. The polynomial degree and peak window size were also adjusted in GM in an attempt to resolve the two peaks. None of these trouble-shooting measures were successful, so the locus was omitted from the decon and subsequent statistic analysis.
488CRB	All screening tests were performed by a member of the Forensic Biology unit. AP testing for item #4 was inconclusive. NR = no results.
4C33Z8	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
4FYRGE	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.
4GB32K	Reporting results with stutter filters on

TABLE 8

WebCode	Additional Comments
4JX3CE	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.
4L2HLK	reporting results with stutter filters on
4TAZJ8	Low-level alleles that were not found in the reference samples were detected. These alleles are reported in brackets.
4WL8KB	[]- indicates minor allele/s and alleles between analytical and stochastic thresholds
63UNVK	The following STR DNA profiles have been entered into the COmbined DNA Index System (CODIS) database in accordance with local, state, and national regulations where regular searches will be performed: the reference DNA profile from the Victim (EX 01-1) and the sperm fraction of the seminal fluid stain from the pink nightgown (EX 03-1S).
6696MJ	reporting results with stutter filters on
67M4QL	Reporting STRmix results with stutter filters on. Item 1.3 epithelial fraction consistent with Victim (Item 1.1) and carryover from sperm fraction.
68Y7VT	Several peaks that may be indicative of a low level 3rd contributor were detected in the Q1F1 (Item 3) profile; upon re-amplification low-level peaks that were not reproducible are not reported herein.
6BPLMU	Note: Item 3NS was re-amplified and re-extracted due to possible amplification artifacts/additional contributor. Reported as NOC=2 because below threshold data was not consistent and above threshold data was within lab's possible drop-in range. Types were not consistent either above or below threshold between amplifications or extractions. Data for main two contributors was consistent with two individuals including the assumed contributor and sperm fraction carry-over.
6FGZ6A	Y-STR and mtDNA testing are not performed at this laboratory. Reporting results with stutter filters on.
6GMWGK	data analyzed with stutter filters on
6K4BWE	Our laboratory does not perform serology testing so differential extractions were performed on both items 3 and 4.
6MTT2K	reporting results with stutter filters on
6N92ED	"-" in mtDNA result means there is no difference to the rCRS.
6QGLAM	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
6RC6HF	Item 3 sperm/substrate fraction D2S1338 allele 19 below laboratory analytical threshold after stutter subtracted; not suitable for comparisons so not included on the allele chart. The following loci are not suitable for comparisons/statistics according to laboratory guidelines due to inability to separate a major component: Item 3 epithelial fraction: D8S1179, D2S441, TH01, FGA, D5S818, D13S317, D1S1656, D22S1045, D12S391, D2S1338 Item 3 sperm/substrate fraction: D10S1248.
6YMY7C	NR=no results
738UCM	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.
74DCH6	NR = No Results. Y-Screen Results: 1C: Positive. 1D: Positive. Additional Observations: - 3rd minor contributor in item 3/1CE that is not consistent with carryover from the S fraction.

TABLE 8

WebCode	Additional Comments
77G4AH	Analyst is not currently authorized to perform mixture interpretation, semen testing and differential extractions. Performed blood testing on samples 3 and 4 and selected extraction method based on those results. Data was generated from Item 3 and all types above analytical threshold were included in the results section of this form. The analyst did not make any determination about the detected types (e.g. evaluation for possible stutter) or interpret the profile.
77KH47	[]- indicates minor alleles and/or alleles between analytical and stochastic thresholds
7BJU9J	A 30 allele was observed at D21 (97 RFU) in the epithelial fraction of item 3. It is very low level relative to the remainder of the profile and suggests a possible third source.
7PGUT8	Item 1 (female known) not analyzed for Y-STR. It was noted that there were unexplained peaks reported in the E-Fraction that didn't correspond with the S-Fraction and were included in the minor allele calls (3 person mixture, at least two individuals in the minor component). The sample was re-setup and the non-corresponding peaks were reproducible.
7PXLTX	In Item 3, the non-sperm fraction is a list of observed alleles; the sperm fraction has genotypes for all loci except vWA which appears to exhibit carry-over from the non-sperm fraction.
7WBUWK	Reported with stutter filters on
7Y9JFM	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. An inconclusive peak was detected for Item 3-EP at the Penta E locus. The DNA types were manually entered into the Table of DNA Analysis Results.
7ZX9KV	Reporting with stutter filters on
82MKU6	Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used, however, to calculate a likelihood ratios for the following propositions: Item 3- Fraction 1: 1s2s_1sU; Item 3-Fraction 2: 1s2s_1sU; Item 4: 2s_U. Per FBU policy, STRmix would not be run in casework for item 4 as the item was the suspect's (item 2s). Statistic run for PT purposes only. NID= No Interpretable data. PowerPlex Y23 sample processing was conducted on the following items: Item 2, Item 3 fraction 1, item 3 fraction 2, and item 4. YSTR analysis and interpretation was not conducted.
89PJGN	NR = No Results. ** = May be attributed to elevated stutter.
8BDY3H	An additional low level peak, a 9.3 at TH01, which indicates the presence of a low level third contributor, was observed for item 3-1e.
8F8EBK	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.
8GJTWD	Sample B4-3, epithelial fraction: The following loci were not able to be separated into major/minor components, therefore they would not be eligible for statistics: TPOX, D21S11, TH01, FGA, D5S818, D7S820, and D2S1338.
8RZ2GF	Reporting results with stutter filters on.
92H29A	Non-sperm fraction of Item 3.1 indicated a three-person mixture. This was reproducible when reinjected, re-amplified, and when re-extracted.
92HTCH	It should be noted that Amel and the male markers are not included in the STRmix interpretation for single source samples or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation but are included in the CTS report. This may incorporate stutter peaks that would have been filtered during conventional analysis.

TABLE 8

WebCode	Additional Comments
9BQUYA	Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain an elevated stutter peak which is being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus: 11 at D2S441 in Item 3.
9FP9NK	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported. This includes the alleles attributed to the assumed contributor utilized for conditioning Item 3 (sperm fraction) that have dropped out. The D12S391 locus was omitted during STRmix interpretation of Item 3 (sperm fraction) due to the absence of a required stutter peak appearing as an unlabeled shoulder.
9H6FNM	Data reported with stutter filters on. Laboratory does not conduct Y or Mito testing.
9H9GRE	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.
9HPKHY	- A competent forensic biologist performed KM and RSID testing on item #003, and OTol and Hematrace testing on item #004. Because this forensic biologist was not yet competent in semen testing, results from another competent forensic biologist were used to determine which sample(s) would be extracted using a differential. Additionally, NaOH male screen results were taken from another competent forensic biologist. - The DNA analyst also performed KM testing on items #003 and #004. The DNA analyst analyzed the results from the male screen testing. - AP testing on items #003 and #004 = inconclusive. - N/A = not applicable. - NR = no result.
9QEZH	A trace level third contributor was detected for the non-sperm fraction of Item 3. Unable to associate it with potential contamination from within our laboratory. The possible alleles determined by STRmix for all three contributors to this mixture are being reported. 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.
9TM8LP	NR = No result
9XMHGP	NR = No results. ** = Possible Stutter.
A6ZGFF	data analyzed with stutter filters on
A7NYBL	ND = Allele(s) not detected.
A9H6A7	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. Item #3 tested negative for AP and positive for PSA
AKXETB	PSA testing was only performed to determine which extraction method the samples would use.
AMHKZM	Reported/listed alleles for evidence samples include stutter peaks. Our laboratory does not report major/minor components when using PG software.
AW62N9	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.
BD8YLX	NR = No Result. Serology testing was performed by a member of the Forensic Biology Unit. Any overlapping loci between testing kits were concordant.
BEH4X2	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds

TABLE 8

WebCode	Additional Comments
BGND7X	Y-STR testing only Proficiency Test. Item #1 not tested - female victim.
BH3FT3	No DNA analysis performed; only body fluid screening results will be reported.
BHML4A	Reported results for Item 3 E fraction is the major DNA profile.
BHVUVG	For item 3, 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 reflect DNA profiles with stutter filters on.
BJBLZD	Results reported with stutter filters on.
BTDX7F	NT = Not tested. NR = No Result.
BV8XLK	Victim is excluded on Item 3-F1 SF. Victim is assumed on Item 3-F2 EF.
C4T3YX	Item 3 e produced a mixture DNA profile with at least three indistinguishable contributors. Per [Laboratory] protocol, no conclusions can be made regarding this DNA profile. This DNA profile is not suitable for comparison.
C4UGG6	ND=not detected
C8EEVM	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
C9RE82	AP result for Item 3 performed twice and changed color after time allotted by SOP both times. Positive result with PSA. Some dropout of male (minor) donor in Item 3 (ep) profile noted.
CBZY8H	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
CEEP4D	Based on laboratory policy, an evaluation of the epithelial cell fraction for Item 3A was performed with stutter filters off. D7S820 allele 10 is indistinguishable from stutter and presents one possible pairing option for the minor contributor to this profile. This option was considered for statistical purposes. Item 3 epithelial fraction egram includes a possible minor allele 17 at D3S1358 which is indistinguishable from stutter. Per policy, it is included on the allele table however it did not impact interpretation or statistics.
CNFA4K	NR=NO RESULT
CNN6ZD	An additional allele was observed in the epithelial and sperm fractions of item 4. Item was interpreted as single source according to laboratory procedure and is not recorded on the final stat sheet, therefore, the additional allele was not recorded for the epithelial and sperm fractions of item 4.
CRYQHD	NR = No results, NT = Not tested
CWAWZ6	Due to insufficient results during differential extraction, a material digest was performed on Item 3. The results (STR and Y) entered for the epithelial fraction of Item 3 were reported out from the material digest results. The results (STR) entered for the sperm fraction of Item 3 were reported from the original sperm fraction. The results (Y) entered for the sperm fraction of Item 3 were reported from the material digest.
D3WVEK	No DNA analysis performed, only body fluid screening results will be reported
D4TDGL	ND = not detected
DBWT6E	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.

TABLE 8

WebCode	Additional Comments
DCJJZR	Regarding Item 3, e fraction, the following additional types are noted: The 14 allele at locus Penta E may be an artifact, but meets the laboratory interpretation guidelines as a possible allele. The 14 allele at locus CSF1PO may be an artifact, but meets the laboratory interpretation guidelines as a possible allele. The 30 allele at locus D21S11 may be an artifact, but meets the laboratory interpretation guidelines as a possible allele. The 31 allele at locus D21S11 may be an artifact, but meets the laboratory interpretation guidelines as a possible allele. The 10 allele at locus D8S1179 may be an artifact, but meets the laboratory interpretation guidelines as a possible allele. The 12 allele at locus D22S1045 may be elevated stutter.
DPADCL	11 allele at D1S1656, 14 allele at CSF, 9 allele at D7S820, and 20 allele at D12S391 are attributable to a trace level third contributor present in epithelial fraction of item 3. These 4 trace alleles were added in brackets to 3e profile on page 5 [Table 2: STR Amplification Kit(s) & Results].
DUK2YH	Reported/listed alleles for evidence samples includes stutter peaks. Our laboratory does not report major/minor components when using PG software.
DVYNUW	Please Note: Two low-level alleles that were not found in the reference samples were detected. These alleles were reported in parentheses in their respective loci.
E3983F	NR = no DNA typing results obtained for this locus. The SUMMARY $\geq 99\%$ of the STRmix report was used for the reported results for the non-sperm fraction of item 3.
E3UMNC	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.
EAUGTH	**=Possible elevated stutter
EFYBQK	Additional allele (17) observed at Penta E, does not fit with the genotypes of the two deduced contributors to the profile. Could indicate the presence of a possible third (trace) contributor to the profile or contamination.
EKFLZH	NR means No results
EQH8TZ	Genetic Data were obtained from suspect and victim using Item 1 and Item 2, respectively. Differential extraction was performed on Item 3 (Questioned stain from victim's nightgown) in which a mixture of two individuals was found from the epithelial fraction and a male DNA profile from the spermatic fraction. A male DNA profile was extracted from Item 4 (Questioned stain from suspect's underwear). The DNA profiles obtained from the suspect using Item 2 matches with the spermatic fraction out of Item 3 and from the genetic data obtained from Item 4, with a Random Match Probability (RMP) on 1 of every 8.95×10^{46} (46) individuals, in other words, the combined LR indicates its 8.95×10^{46} times the suspect is more likely to be the aggressor than any random male in the population. Note 1. For the combined LR and RMP calculation different allelic frequencies were used: Hispanic population for Autosomal and chromosome Y Haplotype (1.23×10^{35}), Mexican population for the X Chromosome (3.93×10^9) and American population for mtDNA (185) Note 2. mtDNA haplotype from Item 3 reported in Part II (continued): DNA Analysis – Mitochondrial DNA [Tables 5 & 6: Mitochondrial DNA Results, HVRI and HVRII] was obtained from the spermatic fraction. In this case, due to having a mixture, the epithelial fraction was not sequenced. Note.- 3 For the analysis of the X chromosome, the ArgusX-12 QS amplification kit was used. For the sample of Item 1 an allele was obtained outside the allelic ladder in the marker DXS10148. After performing the necessary calculations, the OL value corresponds to allele 32.2
EQKWYH	NT: Locus not tested. ND: Allele(s) not detected.
FATY8T	Only serology was performed. Item #1 and #2 were not analyzed for serology.
FCGJ6A	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
FELK4G	ND - Allele(s) not detected

TABLE 8

WebCode	Additional Comments
FHMZVX	Probabilistic Genotyping Results: Note: Inclusions and Exclusions were conducted by the analyst prior to using the STRmix software. STRmix was used to calculate a likelihood ratio for the following propositions: Item 3f1 - 1s2s_1sU; Item 3f2 - 2sU_UU; Item 4 - 2s_U. Key: F1: Fraction 1. F2: Fraction 2. NID: No Interpretable Data. PowerPlex Y23 sample processing was conducted on the following items: Item 2, 3 & 4. YSTR analysis and interpretation was not conducted.
FMU8Y3	NR = no results. [] = lighter intensity alleles.
FPKYR	Items 1 and 2 were not analyzed. Only serology was performed.
FUY4L9	Results reported with stutter filters turned on
G42389	Alleles marked to be modeled as stutter in STRmix have been removed from the allele table. Per lab policy, the victim would not be compared to item 4 due to it being a single source profile consistent with suspect who was used as an assumed contributor (based on case circumstances and item description) with no additional foreign DNA. However, for the purposes of this test the victim was marked as not being a contributor to item 4 since there was no foreign DNA for them to be associated with.
G4Y4MU	Item 3e produced a mixture DNA profile with at least three indistinguishable contributors. Per [Laboratory] protocol, no conclusions can be made regarding this DNA profile. This DNA profile is not suitable for comparison.
G9QT44	Unique findings in the non-sperm fraction profile for Item 3 consisted of 4 low level peaks not consistent with the victim (assumed) nor carryover from the sperm fraction profile. These peaks do not appear to be lab-introduced contamination, so they were interpreted as a third contributor to the mixture. Probabilistic Genotyping gave a template amount of 50 for the third contributor, which is below our validated interpretation threshold and therefore could not be used for comparisons; however, these peaks were included in the DNA Results reporting tables.
GXD2RB	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.
GYLJYY	ND=Not Detected
H8HMVA	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
HR6XEG	ND=Not Detected
HU8Z6H	reporting with stutter filters on
HUMWEA	Reporting STRmix results with stutter filters on. Item 3 epithelial cell fraction is consistent with carry-over from the sperm fraction and Item 1.
J2Z3Q8	Reporting STRmix results with stutter filters on. Possible carryover from sperm fraction observed in the epithelial fraction
J3WLR9	For items 3E and 3S, 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 reflect DNA profiles with stutter filters on.
J7TNKA	NR = no results
J8DBB6	Reporting results with stutter filters on.
JFMP6U	Item 3 e produced a mixture DNA profile with at least three contributors including a distinguishable major contributor. Per [Laboratory] protocol, conclusions can be made on the major contributor only, no conclusions can be made regarding the minor component. The minor component is not suitable for comparison.
JJ82AW	Trace additional DNA was also detected in item 3. This DNA was unsuitable for meaningful comparison purposes.

TABLE 8

WebCode	Additional Comments
JJRRFA	The e-fraction for item 3 resulted in a mixture of three contributors. This was verified with a second extraction of item 3 and the results were consistent with the original extraction. There is possible elevated stutter in the e-fraction of item 3, as well.
JL8XFC	Reported/listed alleles for evidence samples include stutter peaks. Our laboratory does not report major/minor components when using PG software.
JU27XH	Reporting with stutter filters on
JVL7F8	Peaks modeled as stutter/drop-in are not included in the allele table per laboratory policy.
K3V2MK	Item 3, e fraction was a 3-person mixture with the victim and suspect being included, as well as additional trace alleles that were not consistent with either of them. It should be noted that these additional trace alleles do not belong to any of our laboratory personnel.
K8NQP6	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.
KB7R24	reporting results with stutter filters on
KF3UCC	NR=No results
KJKM7W	According to our procedure for the interpretation of electropherograms: It is not possible to identify a major or minor contributor because the of the contributors are very similar.
KKVHLB	Reported/listed alleles for evidence samples include stutter peaks. Our laboratory does not report major/minor components when using PG software.
KR8VA9	NR= No result
KYEPUB	-A third contributor was detected in the item 3 epithelial fraction. Due to the third contributor being below stochastic threshold and additionally being present in stutter positions at a few locations, item 3 was re-extracted to verify the presence of a low-level third contributor. The re-extracted sample resulted in the same conclusions. -Item 4 sperm fraction is a partial profile with drop-out noted at several loci.
KZA3LA	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. An inconclusive peak in bin 31 at D21S11 was observed.
L46BCW	Item 3 epi fraction: combined stutter (N+1 and N-1) stutter observed at CSF1PO and elevated stutter (0.2% above max) observed at D8S1179. Neither allele listed in results.
L499NY	Given the genetic results obtained, it is 1.0917E25 times more likely to explain them if the victim (item 1) and the male suspect (item 2) are included in the mix of item 3 than if they were two other people not sampled, not tested, or randomly selected from the population.
LH8R9Q	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA - Not applicable.
LKUFKQ	Items 1 and 2 were not analyzed. Analyst is not qualified in DNA analysis. Only serology testing was performed.

TABLE 8

WebCode	Additional Comments
LM42AW	<p>FIRST: The genetic profile was determined using the autosomal markers of the biological sample of item 1 identified as blood from the female victim (GF15842.1), observing a genetic profile of a female individual (X,X) obtained through the sex chromosome analysis. SECOND: The genetic profile was determined by means of the autosomal markers of the biological sample of item 2 identified as the blood of the male suspect (GF15842.2), observing a genetic profile of a male individual (X, Y) obtained through the analysis of the sex chromosomes. THIRD: A mixture of genetic profiles of at least two contributors was determined by means of autosomal markers of the biological sample of item 3 seminal fluid and spermatozoa contained in the cut fragment identified as a questionable stain on the victim's nightgown (pink) (GFZ15842.3FF) , observing male biological material (X,Y) obtained through the analysis of chromosomes. FOURTH: The genetic profile was determined using the autosomal markers of the biological sample of item 3 seminal fluid and sperm contained in the clipped fragment identified as a questionable stain on the victim's nightgown (pink) (GFZ15842.3FM) and of the clipped fragment of item 4 biological sample identified as a questionable stain on the suspect's underwear (off-white) (GFZ15842.4), observing the same genetic profile of a male individual (X,Y) obtained through the analysis of sex chromosomes. FIFTH: The probability that an unsampled unrelated random person has the genetic profile of the female victim (GF15842.1) is 1.099×10^{-22}. SIXTH: The probability that an unsampled unrelated random person has the genetic profile of the male suspect (GFZ15842.2) is 8.858×10^{-26}. SEVENTH: The concentration of the major contributor is 5,529 times greater than that of the minor contributor in the mixture of genetic profiles of at least two contributors obtained by means of the autosomal markers of the biological sample of item 3 seminal fluid and spermatozoa contained in the cut fragment identified as disputed stain on victim's nightgown (pink) (GFZ15842.3FF). EIGHTH: When performing the statistical calculations of coincidence of the Genetic Profile obtained through the autosomal markers of the genetic profile of the female victim (GF15842.1) with the genetic profile of the largest taxpayer of the mixture of genetic profiles of at least two taxpayers obtained through the autosomal markers of the biological sample of item 3 seminal fluid and spermatozoa contained in the cut fragment identified as a questioned stain on the victim's nightgown (pink) (GFZ15842.3FF), it is observed that they present a coincidence index of 1.129×10^{25} and a probability 99.999999% match. NINTH: When performing the statistical calculations of coincidence of the Genetic Profile obtained by means of the autosomal markers of the excised fragment of blood (GFZ15842.2) of the male suspect with the genetic profile obtained by means of the autosomal markers of the excised fragment of the questioned stain of the nightdress of the victim (pink) (GFZ15842.3FM) and with the genetic profile of the suspect's underwear (off-white) (GFZ15842.4), it is observed that they present a coincidence index of 1.129×10^{25} and a coincidence probability of 99.999999%. TENTH: When comparing the genetic profile obtained using autosomal markers from the biological blood sample of the female victim (GF15842.1), it is observed that it DOES NOT CORRESPOND to the genetic profile obtained using autosomal markers from the biological sample contained in the fragment cropped from suspect's underwear stain (off-white) (GFZ15842.4).</p>
LP9YW7	AP tests for both items 3 and 4 were AP negative.
LRCYNQ	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. NA = not applicable.
LXDP44	NT = Not tested. NR = No results detected. For items interpreted with STRmix, the Globalfiler STR results include all possible alleles for all interpreted genotypes. This may incorporate stutter peaks that would have been filtered during conventional analysis.
M4JUDQ	() indicates minor alleles, NR=No results, NT= Not tested. Item 3 AP testing had a color change after 5 sec, sample was PSA tested to confirm the presence of semen and this was positive.

TABLE 8

WebCode	Additional Comments
MEFRBZ	Mitochondrial DNA (mtDNA) testing utilizes massively parallel sequencing (MPS). Only the HVR 1 and HVR 2 differences will be reported on the mtDNA tab for the following ranges HVR 1 (16024-16365) and HVR 2(73-340). Whole genome sequences were obtained with the ranges indicated below. Item 3 was a mixture and therefore not interpreted or reported. Item 4 Item 2 Item 1 1-12387 1-16569 1-16569 12455-16569 73G 73G 249del 249del 263G 263G 263G 315.1C 290del 290del 477C 291del 291del 750G 315.1C 315.1C 1438G 489C 489C 3010A 493G 493G 4769G 523del 523del 5492C 524del 524del 8860G 750G 750G 9116C 1438G 1438G 15326G 2706G 2706G 16519C 3552A 3552A 4715G 4715G 4769G 4769G 7028T 7028T 7196A 7196A 8584A 8584A 8701G 8701G 8860G 8860G 9540C 9540C 9545G 9545G 10398G 10398G 10400T 10400T 10873C 10873C 11719A 11719A 11864C 11864C 11914A 11914A 11989G 11989G 12705T 12705T 13263G 13263G 14318C 14318C 14766T 14766T 14783C 14783C 15016T 15016T 15043A 15043A 15119A 15119A 15301A 15301A 15326G 15326G 15487T 15487T 16223T 16223T 16298C 16298C 16325C 16325C 16327T 16327T 16357C 16357C 16519C 16519C. [Participant created a manually formatted table within the free form text space. This special formatting was not transferable into the final report. Data is presented as is.]
MFQJFB	Extraction: Item 1 and Item 2 were extracted using chelex method. Item 3 was extracted using differential extraction method. Item 4 was extracted using QIASymphony extraction method (bloodstain extraction method). Quantification: Item 1, Item 2, 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, Item 2, Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis of GlobalFiler were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM : represents non-male profile.
MG7CBJ	NR = No result. DNA analyst only performed KM screening test from part 1 [Table 1: Serology Screening Results]. A qualified forensic biologist performed all other screening tests.
MH4C7U	Item 3 was extracted by a differential extraction. Full profiles were obtained for the epithelial cell fraction; however, there was incomplete separation in the epithelial cell fraction, resulting in a mixture profile, and the major alleles from the female donor could be observed in this profile. This is a normal situation routinely happened in casework.
MKAALC	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
ML24L2	Due to an insufficient amount of DNA being detected during quantitation, Short Tandem Repeat (STR) analysis was not performed on the sperm fraction of item 4 using the GlobalFiler or Yfiler Plus amplification kits.
MTXHA3	reporting with stutter filters on
MVAVTB	Possible evidence of a 3rd contributor in sample 3 (non-sperm fraction) - not present above AT in re-amplification of sample - reported as 2 person mixture.
MVLZ69	ND = Not detected
N36ZFK	NR = No Results. Male screen analysis was performed by the DNA Analyst. All screening tests were performed by a qualified Forensic Biologist.
N8VGLJ	Item 3, epithelial fraction: trace type (14) detected at CSF1PO.
N8ZTBZ	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.
NQD9X2	The epithelial fraction of item 3 appears to be a three person mixture with the victim as the major contributor, the suspect as a contributor and a third unknown minor contributor. Many of the alleles from the third contributor are below the laboratory's stochastic threshold. For the epithelial fraction of item 3, the 14 allele at D8S1179 is possible pull-up and the 11 allele at D2S441 is possible combined (+/-) stutter.

TABLE 8

WebCode	Additional Comments
NQDYUP	NR = No Result
NR3QQM	Results at D2S1338 appear to show a potential third contributor (fifth peak at ~337bp with low rfu value) to the minor mixture, as it is not consistent with with carryover from the sperm fraction of the differential or known samples. This sample was injected at 15 seconds and 24 seconds to see if the fifth peak was still present, which it was. This was left as an allele call. Due to potential for third contributor, some of the called peaks in the 24 second injection that have similar rfu values, that may be stutter and are in stutter position, were left as allele calls for conservative number of contributor purposes. Peaks called due to this are as follows: CSF1PO at ~315bp allele call "14"; D8S1179 at ~134bp allele call "10"; D21S11 at ~207bp allele call "30"; D2S441 at ~89bp allele call "11"; D22S1045 at ~100bp allele call "12"; D13S317 at ~231bp allele call "13"; D7S820 at ~274bp allele call "9"; SE33 at ~350bp allele call "15". NR = no results.
NUN64H	ND= not detected
P2TMBN	Y-STRs only were conducted
P3JTM9	A low level third contributor was detected in the DNA mixture obtained from item 3. The third contributors allele calls are designated by brackets in the DNA results. This contributor did not hit to our elimination database, did not appear in any of the control samples, and persisted in the mixture across two separate CE runs of the item 3 sample. This third contributor was considered during mixture analysis. D2S441 has an allele call at 11, which is potentially enhanced stutter from alleles 10 and 12, and was not bracketed as an allele for contributor three.
P3ZJMY	reporting results with stutter filters on
P7X3MC	reporting with stutter filters on
PAXNJ2	Reporting STRmix results with stutter filters on. Carryover from sperm cell fraction of Item 3 observed in epithelial cell fraction of Item 3.
PDL2JX	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.
PDY9A2	NR = no results; Item 3 sp: reported the >99% contributor summary results; a 17 allele was detected at D12S391 but not present in the >99% summary results therefore it was not reported.
PHFY74	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.

TABLE 8

WebCode	Additional Comments
PM8AXT	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain(s) (an) elevated stutter peak(s) which is/are being reported to the vendor as an additional comment but which has/have been modeled as stutter probabilistically during interpretation at the following locus/loci: -Exhibit 3: 11 at D2S411. The laboratory has a validated drop-in parameter in the probabilistic genotyping software utilized for data analysis. The results for this test contain peaks which are being reported to the vendor as an additional comment but which have been modeled as drop-in probabilistically during the interpretation at the following loci: -Exhibit 2: 22.2 at FGA. -Exhibit 4: 22.2 at FGA. 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.
PPQX72	Item 3 e: Allele calls reported from STRmix >99% summary
Q4ADRJ	For Item 3-e, minor alleles for the minor male contributor are indicated by the [bracket].
QE8R2B	reporting with stutter filters on
QKWWKJ	NR= No Results. For Globalfiler results of epithelial fraction of item 3, there appears to be a third contributor (2nd contributor in the minor component) that is not consistent with carryover from the male in the sperm fraction of the sample.
QPLV2E	Extraction: Item 1, Item 2, Item 3 and Item 4 were extracted using the Chelex Extraction Method. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification Kit on the Applied Biosystems 7500 Real-Time PCR Systems. Amplification: Item 1, Item 2, 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 with the GeneMapper ID-X v1.5 software. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results.
QPPXNJ	Y-STR Proficiency Test. Known blood from female victim (Item #1) not tested.
QRY2HV	The 12 allele reported at D22S1045 for Item 3 (e) is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile.
RAPXDP	MiniFiler amplification done on Item 4. MiniFiler concordant with PowerPlex Fusion at all overlapping loci. NR = No Results
RB2DJF	Item 1 and item 2 not analyzed. Analyst currently only trained in Serology.
RBLUYJ	NR = no results. No Y-STR analysis was performed on item 1 (female victim known). Additional comment for Item 3E: There was the presence of additional alleles which were unaccounted for by the victim (item 1) and suspect (item 2). This indicates the presence of a 3rd contributor for Item 3E.
RC4RJV	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.
RNR676	A third contributor was detected in the DNA profile obtained from item 3. This profile was run through probabilistic genotyping software and compared to our staff database. No matches to our database were found. All minor alleles are reported in brackets.
RQWQZX	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.

TABLE 8

WebCode	Additional Comments
RR9UTH	Item 3 e produced a mixture DNA profile with at least three indistinguishable contributors. Per [Laboratory] protocol, no conclusions can be made regarding this DNA profile. This DNA profile is not suitable for comparison.
RT97UX	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.
T38KUM	[]-indicates minor allele/s and alleles between analytical and stochastic thresholds. -for item #3 the AP test was negative and the PSA test was positive.
TA4RGW	reporting results with stutter filters on
TDK7WP	SEROLOGY ONLY.
TEFBNH	Item 1 (female known) was not analyzed with Y-STR
TLFPC6	Make STR data entry easier for the analyst. Consider modeling data entry after how profiles are entered into CODIS, using single vertical columns instead of horizontal rows, and being able to use dashes to represent/enter commas (enables use of right side of keyboard). Also, separate epi and sperm fractions for a single sample instead of stacking the loci, it is extremely easy to start entering data into the wrong row. It takes much longer to ensure correct data entry than it needs to based on page layout alone. Thanks for considering.
TW32WC	The epithelial fraction of Item 3 was a mixture of at least 3 individuals. There were two majors- the victim could be assumed and a deduced male profile was obtained. The suspect could not be excluded as having contributed to the deduced male profile. The minors were not suitable for comparisons.
TXHY8U	Note: A minor allele was observed ('9' at D7) in the DNA results of item 3e, possibly due to an additional low level contributor. Conclusions: 1. The female victim (item Q1-1) cannot be excluded as the source of a female DNA profile (STR Profile 1; see Testing Summary) from blood (item Q03-1) on her own nightgown. The STR DNA results are estimated to be greater than one trillion times more likely if STR Profile 1 originates from the female victim than if it originates from an unknown person unrelated to her. 2. The male suspect (item Q2-1) cannot be excluded as the source of a male DNA profile (STR Profile 2 and Y-STR Profile A; see Testing Summary) from semen on the female victim's nightgown (item Q03-1) and from blood on his own underwear (item Q04-1). The STR DNA results are estimated to be greater than one trillion times more likely if STR Profile 2 originates from the male suspect than if it originates from an unknown person unrelated to him. Note: A supplementary statistic can be calculated upon request for the male-specific Y-STR Profile A that would add further weight to the association reported.
TZWP34	NR = No Result
U4CJEU	For items 1, 2, 3E 3S, 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 reflect DNA profiles with stutter filters on. Statistical support for inclusions and exclusions were performed using STRmix Likelihood ratios.
UCP9G9	This test was only used for forensic serological testing / screening. No DNA analysis performed.
UEDCX2	Victim profile was assumed in the interpretation of item 3 non-sperm fraction, so only the deduced profile was reported for item 3.
UEGHCV	Screening not performed. STRmix used only for Item 3 sp LR calculation.
UFT3ED	For the e fraction of Item 3, the 10 allele at locus D8S1179 may be elevated stutter or possible drop-in, but it meets our lab interpretation guidelines as a possible allele.
UPHY9R	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 8

WebCode	Additional Comments
UQ64EY	For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons. For PowerPlex Fusion results, DYS391 is reported as INC per laboratory policy. A differential extraction was performed on Item 4 as per laboratory policy which requires differential extraction on sexual assault samples that test positive for male DNA. However, fraction 2 (sperm fraction) of the Item 4 differential extraction was not amplified due to an insufficient concentration of DNA. Furthermore, Y-STR DNA typing was not performed due to an insufficient concentration of male DNA. For this reason, the sperm fraction cells in the Item 4 table were left blank.
UQX3ZY	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
UTE9WU	Reporting results with stutter filters on.
UTG4VK	Reporting STRmix results with stutter filters on. Item 3: Carry over from sperm fraction into epithelial fraction. [Initials]9/1/22
UV6B43	Several peaks that may be indicative of a low-level third contributor were detected in the Q1F1 (Item 3) profile, upon re-amplification low-level peaks that were not reproducible are not reported herein. A weak 11 at D1S1656 was detected between all three amplifications and falls below the laboratory's stochastic threshold in the optimized sample (5µL re-amp), this locus would not be used for any statistical calculation based on the laboratory's procedures for a minor contributor and would not be considered of comparative value as well as all other peaks not consistent with the intimate donor (Item 1) and the unknown male from the F2.
V2KBY7	reporting with stutter filters on
V2KE73	Extraction: Item 1 and Item 2 were chelex extraction method. Item 3 was extracted using chelex extraction method (differential extraction method). Item 4 was extracted using QIAAsymphony DNA Investigator Kit on QIAAsymphony SP System. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler amplicons were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer amplicons were carried out on Genetic Analyzer 3500xL for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - non male
VBAW64	Reporting with stutter filters on
VBTD9Q	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
VCPUFL	Sample 3 epi fraction has two low level peaks at CSF (13 and 14) that could not have originated from either the complainant or suspect. These two peaks are low level and not suitable for meaningful comparison.
VDFRXZ	NR = No Result
VEVBJJ	Reporting STRmix results with stutter filters on. sp carryover in epi
VF3X94	Micro= KPIC testing
VN27MN	Screening tests not conducted as not currently qualified. Differentials conducted on unknowns based on case scenario. Since serology was not conducted, differentials were processed on both items 3 and 4 per Technical Leader discussion. PowerPlex Fusion 6C sample processing was conducted on item 3 and item 4. Autosomal analysis and interpretation was not conducted. Modified Rapid DNA Analysis was conducted on item 1 and item 2. No comparison to evidence was made. PowerPlex Y23 was run on Item 2, Item 3 fraction 1, Item 3 fraction 2, Item 4 fraction 1, item 4 fraction 2 for sample processing only. NID = No Interpretable Data.
VZE6Z6	Item A-3 E1 @ D2S441 11 is most likely a stutter peak.

TABLE 8

WebCode	Additional Comments
W3ED42	Alternative stutter, additive stutter, and peaks that were determined unreproducible upon triplicate amplification of Q1F1 were not reported herein.
WAV2UW	For Powerplex Fusion results, DYS391 is reported as "INC" per laboratory policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifact were not reported and will not be used for conclusions or comparisons.
WE66QQ	Results reported with stutter filters on
WH9BGB	Interpretation only; all screening and extraction performed by other qualified DNA analysts. [Initials] 08/27/22.
WHLJ7J	Item 3 was not processed in mtDNA due to an observed mixture in Globalfiler. This laboratory does not interpret mtDNA mixtures. NR = No Result
WKB9PH	Item 3A F1- D3S1358- 17 allele called inc.- within allowed additive stutter. [Initials]
WQX4KU	Item 3: Carryover from sperm fraction in epithelial fraction. Reporting STRmix results with stutter filters on.
WGA9G	This lab does not conduct mtDNA or Y-STR DNA testing. Reporting all results with stutter filters ON.
WVJU6X	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. An inconclusive peak in bin 31 at D21S11 was observed.
X8PAHF	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds.
XB3YXH	ND = Not detected
XFEXDH	GMIDX analysis was performed with stutter filters on. This laboratory does not perform Y-STR or mitochondrial DNA analysis.
XFYUPH	Additional trace alleles were detected in the epithelial fraction of item 3. These profiling results associated with the trace contributor, were not included in the table outlining the profiling results for this sample and are of insufficient quality for comparison purposes. The bracketed alleles outlined for the epithelial fraction of item 3 relate to the minor DNA component alleles detected in a mixed DNA profile.
XKAB2M	NR is an abbreviation for "No Results"
XKDEQC	One low-level possible allele that was not found in the reference samples was detected at D2S1338 in the 'e' fraction of Item 3. This allele was reported in parentheses.
XVQLH7	Item 1 was inadvertently amped with YFPD.
XZ4TVR	reporting results with stutter filters on
XZHDAU	NR = No results. The STRmix 99% table was used for the reporting of alleles for 3_SF and 3_NSF at all autosomal loci except SE33 and D1S1656.
XZPCVR	Reported with stutter filters on
Y3QFXJ	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.
Y8H2U8	Biology screening performed by FS [Name]. STRmix used for interpretation/comparisons.
Y9QBL6	NT=Not tested. ND=Not detected.
YB2ZEF	NR = no results
YDT2HH	For mtDNA analysis, please notice : - no deviations for HVR1 have been observed for item 1. - As a mixed stain, no mt DNA analysis were done for item 3.
YFXM2Q	reported with stutter filters on

TABLE 8

WebCode	Additional Comments
YK4HEY	Extraction: Item 1 and Item 2 were extracted using chelex extraction method, Item 3 was extracted using differential extraction method and Item 4 was extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3 and Item 4 and Y-Filer for Item 2 Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
YLZP7Q	reporting results with stutter filters on
YMCWHC	Item 3 (E fraction): third minor contributor (not consistent with S fraction carryover) indicated by third minor allele called at D2S1338, allele 25; re-extraction of E fraction lysate yielded no indication of third contributor.
YMVZPD	NR = No Results. Y-Screen Results: -Item 3: Positive (male DNA detected). -Item 4: Positive (male DNA detected). Item 3e: Results indicate a third low level contributor, with called and uncalled alleles not attributable to 3sp profile or either known profile (item 1 or item 2) obtained. Additional called alleles obtained with increased injection time (not attributable to 3sp or either known profile).
YNM3CT	For item 3e, 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 reflect DNA profiles with stutter filters on.
YTEKZY	Extraction: Item 1 and Item 2 were extracted using chelex extraction method. Item 3 was extracted using QIAAsymphony DNA-Investigator Kit (differential extraction method). Item 4 was extracted using QIAAsymphony DNA-Investigator Kit (bloodstain extraction method). Quantification: Item 1, Item 2, Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR Quantstudion 5 System. Amplification: Item 1, Item 2, Item 3 and Item 4 were amplified using Globalfiler STR kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFlstr Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of Globalfiler was carried out on Genetic Analyzer 3500XL for Item 1, Item 2, Item 3 and Item 4. Electrophoresis of Y-Filer was carried out on Genetic Analyzer 3500XL for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM - non male
YUT4QN	results reported with stutter filters on
YW2TBQ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
YXDJAA	The DNA tabs were left blank intentionally due to the analyst being qualified only for serological analysis at this time.
Z9BQTZ	Comment, Low level, partial profile results obtained for Item 3 E2 fraction.
ZA92QN	No DNA was detected in Spermatozoa fraction of Item 3 consistent with no spermatozoa observed microscopically. Item 3 Epithelial fraction, 11 peak at D1S1656 over laboratory derived allele specific stutter threshold on 2 of 3 amplifications, additional non-reproducible peaks & high stutters detected, profile assessed as 3 contributors, D1 11 peak weighted at >99% allelic by STRmix software.

TABLE 8

WebCode	Additional Comments
ZJ9NHK	The following locus is not suitable for single source comparisons/statistics under current laboratory protocol due to the inability to separate major/minor components: Item 3, epithelial fraction TH01. The following alleles are below laboratory analytical threshold when stutter is removed; not entered in chart due to not being suitable for comparisons: Item 3, epithelial fraction: D13S317 (13) allele, SE33 (15) allele, D12S391 (20) allele. Item 3, sperm/substrate fraction: D16S539 (11) allele, FGA (23) allele, D13S317 (11) allele, SE33 (20) allele, D2S1338 (19) allele.
ZK48KL	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.
ZNM9JE	A qualified Forensic Biologist performed all screening tests. DNA analyst reviewed and interpreted the male screen results. AP semen screening test was inconclusive for item #4. Item #3 underwent a differential extraction. Victim (Item 1) was a contributor to the epithelial fraction and was eliminated from the sperm fraction. NR = No Results.
ZWGA4Y	Sample 3e (non-sperm fraction of sample 3) appears to have a possible 3rd contributor. Reported the two highest contributors because indications of possible 3rd contributor could also be considered artifacts.
ZY8YBR	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.
ZYNR6F	Results were consistent across kits where appropriate. YSTR results were not used in the interpretation. There were minor/trace alleles corresponding with the DNA profile of the suspect in the epithelial fraction of item 3. For item 3, in addition to the results which corresponded with the DNA profiles of the complainant or the suspect, there were additional results at TH01 and D2S1338.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 22-5704: Forensic Biology

DATA MUST BE SUBMITTED BY **Sept. 6, 2022, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: CAKUB7

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 a sexual assault involving a female victim who currently resides at the local nursing home. During visiting hours, the victim told her family that a male nurse had forced her to have vaginal sex the previous night. After the assault, she noticed she was bleeding vaginally. The victim's family reported the incident to the nursing staff who was able to identify the male nurse in charge of the victim's care. The suspect was still on his shift and was apprehended at the nursing home by the police. Investigators are submitting a stain from the nightgown the victim was wearing (Item 3) and a stain from the underwear the suspect was wearing (Item 4). Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack B4):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned stain from victim's nightgown (pink)

Item 4: Questioned stain from suspect's underwear (off-white)

Part I: SCREENING TESTS

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

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

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

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

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

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

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

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

Part II (continued): DNA Analysis - Mitochondrial DNA

- Report the range of bases sequenced for each Item tested in the appropriate box.
- List the base pair values and the associated deviations from the standard Anderson sequence in the designated boxes below each Item number.
- Click "Add Row" to show another row of boxes for entry.

HVR I	Item 1	Item 2	Item 3	Item 4
Bases Sequenced:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

HVR II	Item 1	Item 2	Item 3	Item 4
Bases Sequenced:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Deviations:	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Part III: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

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

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

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

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

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

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)