



Forensic Biology Test No. 21-5702 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 798 participants and are compiled into the following tables:

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

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

Manufacturer's Information

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

SAMPLE PREPARATION: The stains on Items 1, 2, and 3 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain in Item 4 was a mixture prepared from human whole blood and semen. The semen sample was first thawed and mixed 1:1 with TAE buffer, then mixed 1:1 with the blood. Items 1 (75 μ l) and 3 (50 μ l) were created using blood collected from the same female donor. Item 2 (75 μ l) was created using blood collected from a male donor. Item 4 (50 μ l) was created using a 1:1 mixture of blood from the female donor found in Item 1 and semen from a male donor whose known standard was not provided. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on March 1, 2021 following completion of the verification stage.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
Results compiled from predistribution laboratories and a consensus of at least 10 participants.						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	15,16.3	20,23	10,10	14,18	12,12	*
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	NM	NM	NM	NM	
2	13,17.3	18,20	11,14	16,17	11,13	*
	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
3	15,16.3	20,23	10,10	14,18	12,12	*
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	NM	NM	NM	NM	
4-Blood	15,16.3	20,23	10,10	14,18	12,12	*
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	NM	NM	NM	NM	
4-Semen	15.3,16	22,24	13,14	17,18	12,13	*
	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18	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	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12	12	17	19	22	23	10	11
4-Semen	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	13	17	18	22	25	10	11

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

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

Manufacturer's Information, continued

Mitochondrial DNA Sequencing Results

Nucleotide Ranges Tested

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

<u>Item</u>	<u>HVR-II</u>	<u>HVR-I</u>
1	50-390	16024-16383
2	60-390	16024-16390
3	50-369	16024-16390

Deviations HVR-II, HVR-I

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

	73.0	249.0	290.0	291.0	315.1	489.0	493.0	523.0	524.0	16223.0	16298.0	16325.0	16327.0	16519.0
ITEM 1	G	DEL	DEL	DEL	C	C	G	DEL	DEL	T	C	C	T	C

	73.0	152.0	182.0	185.0	195.0	228.0	247.0	263.0	315.1	357.0	523.0	524.0	16126.0	16187.0	16189.0	16223.0	16264.0	16270.0	16278.0	16293.0	16311.0	16519.0
ITEM 2	G	C	T	T	C	A	A	G	C	G	DEL	DEL	C	T	C	T	T	T	T	G	C	C

	73.0	249.0	290.0	291.0	315.1	16223.0	16298.0	16325.0	16327.0
ITEM 3	G	DEL	DEL	DEL	C	T	C	C	T

Summary Comments

The 21-5702 Forensic Biology test was designed to allow participants to assess their proficiency in the identification and comparison of dried stains by means of body fluid screening and/or DNA profiling. Participants were supplied with two "known" bloodstains (Items 1 and 2) and two "questioned" stains (Items 3 and 4). Items 1 and 3 were created using blood from the same female donor. Item 2 was created using blood from a male donor. Item 4 was created using a mixture of blood from the female donor used in Item 1 and semen from a male donor whose known standard was not provided. (See Manufacturer's Information for preparation details)

Data were returned by 798 participants.

Screening Test Results:

Screening results were returned by a total of 729 participants. However, not all of these participants returned screening results for all fluids (blood, semen, saliva) for both questioned items, which explains the large differences in the tallies discussed below.

For Item 3, all 712 participants that returned results reported "Positive" for the presence of blood. For the presence of semen, 666 participants reported "Negative", one participant reported "Positive", and another reported "Inconclusive." For the presence of saliva, 172 participants reported "Negative", one participant reported a "Positive", and two additional participants reported "Inconclusive."

For Item 4, 707 participants that returned results for the presence of blood reported "Positive" and two reported "Negative." For the presence of semen, all but one of the 699 participants that returned results reported "Positive." The remaining participant reported "Negative." For the presence of saliva, all but one of the 174 participants that returned results reported "Negative." The remaining participant reported "Inconclusive" for the presence of saliva.

DNA Analysis Results:

Of the 798 participants that returned results, 736 reported DNA interpretations. Twenty-two participants stated that the samples were only analyzed for database purposes, and fourteen selected the "No Interpretations" option individually for all Interpretation questions.

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

For the Item 4 stain, all but ten participants that reported interpretations included the victim (Item 1) as a possible contributor. One participant excluded the victim as a possible contributor, and nine participants were inconclusive as to whether the victim was a contributor to the stain. Additionally, all but ten participants that reported interpretations excluded the suspect (Item 2) as a possible contributor. The ten remaining participants were inconclusive as to whether the suspect was a contributor to the stain, the majority of which only performed Mitochondrial DNA testing and did not do so on then Item 4 mixture.

A total of 339 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. A large population reported additional alleles at various loci, some mentioning in their additional comments that certain peaks may be stutter.

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

An additional twenty-nine participants reported allelic responses that differed from the consensus/predistribution Y-STR loci results for one or more items. The breakdown of inconsistencies is as follows: twenty-five participants reported additional alleles, two were missing alleles, one reported allelic results that differed from the consensus, and one reported a combination of inconsistency types. A majority of participants who reported additional alleles did so at the DYS518 loci and reported an additional "38" allele. Several participants recorded in their additional comments that they had noted this allele to be the result of a high or plus stutter event, or a possible chromosome duplication event. All of these participants used the Yfiler™ Plus amplification kit. Based on the interpretations above, these inconsistencies did not appear to affect these participants' conclusions.

Key for Screening Tests Used

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

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

Serology Screening Results

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

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
237Q33	Pos KM, HemaTrace	Pos KM, HemaTrace
23Q8H6	Pos KM, HemaTrace	Pos KM, HemaTrace
24D83T	Pos KM	Pos KM
24FKZM	Pos KM, HemaTrace	Pos KM, HemaTrace
26U329	Pos KM	Pos KM
272FCU	Pos KM	Pos KM
27HMJX	Pos KM; HemaTrace	Pos KM; HemaTrace
27M3YJ	Pos KM, HemaTrace	Pos KM, HemaTrace
29V7VF	Pos KM and Combur (TMB)	Pos KM and Combur (TMB)
2BECZ6	Pos LMG	Pos LMG
2DKM6K	Pos KM	Pos KM
2FTX4A	Pos LMG	Pos LMG
2GZAM7	Pos KM	Pos KM
2HWUA7	Pos LMG, RSID	Pos LMG, RSID
2JCXEJ	Pos KM, Hemdirect	Pos KM, Hemdirect
2LJDNB	Pos KM	Pos KM
2M72XP	Pos KM	Pos KM
2M9J42	Pos LMG	Pos LMG
2N438M	Pos KM, Hemdirect	Pos KM, Hemdirect
2NL8BU	Pos KM, RT-qPCR	Pos KM, RT-qPCR
2NX763	Pos KM	Pos KM
2PE4UL	Pos KM	Pos KM
2PE96N	Pos KM	Pos KM
2PYPKR	Pos LMG	Pos LMG
2QUDWV	Pos KM	Pos KM
2VJZF8	Pos KM	Pos KM
2WUWW6	Pos LMG	Pos LMG
2XWDK4	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
2YGPGM	Pos LMG, HemaTrace	Pos LMG, HemaTrace
2ZCYZ4	Pos ALS, TMB	Pos ALS, TMB
2ZZDCN	Pos LMG, HemaTrace	Pos LMG, HemaTrace
33ZVW2	Pos PTMB	Pos PTMB
34DERR	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
363NZ9	Pos TMB, KM	Pos TMB, KM
38A49Y	Pos TMB	Pos TMB
38DQNR	Pos KM	Pos KM
3AWPY2	Pos KM	Pos KM
3CRAY8	Pos KM	Pos KM
3DZKH6	Pos O-tol	Pos O-tol
3EETZ6	Pos PTMB	Pos PTMB
3EWNKR	Pos LMG	Pos LMG
3FM98B	Pos KM	Pos KM
3GUJQ9	Pos LMG, HemaTrace	Pos LMG, HemaTrace
3HV6XL	Pos KM, HemaTrace	Pos KM, HemaTrace
3LQ7N3	Pos KM, LMG	Pos KM, LMG
3PPCAZ	Pos TMB	Pos TMB
3Q8BKC	Pos KM and HemaTrace	Pos KM and HemaTrace
3Q9CFB	Pos KM	Pos KM
3QKZL4	Pos KM	Pos KM
3TDN97	Pos LMG	Pos LMG
3TGKLA	Pos KM	Pos KM
3U4ZWH	Pos KM, HemDirect	Pos KM, HemDirect
3VGN3B	Pos KM	Pos KM
3VVM8	Pos LMG	Pos LMG
3X8LXW	Pos KM, HemaTrace	Pos KM, HemaTrace
3XQHE3	Pos KM, HemaTrace	Pos KM, HemaTrace
43AE6X	Pos TMB	Pos TMB
43WQX4	Pos KM	Pos KM
4697R6	Pos KM	Pos KM
46FLL6	Pos LMG, HT	Pos LMG, HT
47ET24	Pos KM; HemDirect	Pos KM; HemDirect
47WTVT	Pos KM	Pos KM
4936Z9	Pos KM, HemeDirect	Pos KM, HemeDirect
4BN6N4	Pos O-tol, Seratec Hem card	Pos O-tol, Seratec Hem card
4CHYF7	Pos O-tol	Pos O-tol
4D3BL7	Pos KM, HemaTrace	Pos KM, HemaTrace
4DCCD7	Pos TMB	Pos TMB
4DCGN9	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4EMJA8	Pos KM	Pos KM
4EQ7PZ	Pos KM	Pos KM
4EQYPU	Pos KM, Hemdirect	Pos KM, Hemdirect
4FY6XN	Pos TMB, FOB, PMB, Luminol	Pos TMB, FOB, PMB, Luminol
4GUU9W	Pos TMB	Pos TMB
4GYZ3D	Pos KM, HemaTrace	Pos KM, HemaTrace
4H6UBH	Pos TMB	Pos TMB
4J3ZUX	Pos KM	Pos KM
4MZCK4	Pos KM, HemaTrace	Pos KM, HemaTrace
4PQHE2	Pos PTMB, RSID	Pos PTMB
4TEUD7	Pos KM	Pos KM
4UZPRY	Pos TMB	Pos TMB
4UZRBB	Pos PTMB	Pos PTMB
4VBRDX	Pos TMB	Pos TMB
4W2ZDZ	Pos LMG, RSID	Pos LMG, RSID
4W78PU	Pos KM, HemaTrace	Pos KM, HemaTrace
4X8WFK	Pos KM	Pos KM
4Z7JLU	Pos KM, HemaTrace	Pos KM, HemaTrace
62YKD4	Pos TMB	Pos TMB
644D6G	Pos KM, Hemdirect	Pos KM, Hemdirect
69EJA3	Pos KM, ABACard	Pos KM, ABACard
69JQ4J	Pos TMB	Pos TMB
6B6LFQ	Pos KM	Pos KM
6E7KYV	Pos KM, HT	Pos KM, HT
6ENGE2	Pos KM, HemDirect	Pos KM, HemDirect
6GFFTZ	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
6JFXGU	Pos KM	Pos KM
6P8Y89	Pos KM	Pos KM
6QH3CK	Pos KM	Pos KM
6TJXA2	Pos O-tol	Pos O-tol
6V7RQ3	Pos TMB	Pos TMB
6VA4N7	Pos LMG, HemaTrace	Pos LMG, HemaTrace
6VQBXV	Pos KM	Pos KM
6VUVLX	Pos PHT	Pos PHT
6YNY44	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
6YWKD8	Pos KM	Pos KM
72F3PN	Pos LMG	Pos LMG
76B2XR	Pos KM	Pos KM
76ELKV	Pos TMB	Pos TMB
78GJVN	Pos KM, Hema-trace	Pos KM, Hema-trace
79T2BM	Pos KM	Pos KM
7A7T44	Pos KM, TMB	Pos KM, TMB
7AT6WB	Pos KM, TMB (Combur)	Pos KM, TMB (Combur)
7BTLNK	Pos KM	Pos KM
7EM7W4	Pos KM, Takayama	Pos KM, Takayama
7GRLGN	Pos KM	Pos KM
7HLHR4	Pos color, O-tol, ppth, HemDirect	Pos color, O-tol, ppth, HemDirect
7JEHPE	Pos PTMB, HemDirect	Pos PTMB, HemDirect
7JUFGE	Pos KM, HemaTrace	Pos KM, HemaTrace
7LMFEP	Pos KM, Takayama, HemaTrace	Pos KM, Takayama
7LYCJU	Pos TMB	Pos TMB
7N3Y6L	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
7P7LY7	Pos KM, HB	Pos KM, HB
7QGHB3	Pos KM	Pos KM
7RT29E	Pos KM	Pos KM
7UP2WN	Pos KM	Pos KM
7WWZP7	Pos LMG, HemaTrace	Pos LMG, HemaTrace
7Z2RT6	Pos KM, HemaTrace	Pos KM, HemaTrace
82B2JG	Pos KM, Hemdirect	Pos KM, Hemdirect
82NPPA	Pos KM	Pos KM
832C8N	Pos KM, HemaTrace	Pos KM
87X389	Pos KM	Pos KM
88KCH3	Pos KM	Pos KM
89CDED	Pos KM, Takayama	Pos KM, Takayama
8ALHT2	Pos KM	Pos KM
8ANY3U	Pos TMB	Pos TMB
8B3EK2	Pos O-tol	Pos O-tol
8BWEAZ	Pos TMB	Pos TMB
8CCNBD	Pos KM	Pos KM
8CW6QF	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
8ECQ92	Pos KM	Pos KM
8EVP6Z	Pos TMB	Pos TMB
8FX7TY	Pos KM, HemaTrace	Pos KM, HemaTrace
8LW22W	Pos TMB	Pos TMB
8PDEZY	Pos KM, LMG	Pos KM, LMG
8PTTAT	Pos TMB	Pos TMB
8QN9LQ	Pos KM, HemaTrace	Pos KM, HemaTrace
8R79R2	Pos KM	Pos KM
8TF8ZN	Pos KM, HemaTrace	Pos KM
8TY9PC	Pos KM	Pos KM
8V23P3	Pos O-tol	Pos O-tol
8VMKNH	Pos LMG, HemaTrace	Pos LMG, HemaTrace
8XDFUY	Pos KM, HemaTrace	Pos KM, HemaTrace
8ZDWGT	Pos TMB	Pos TMB
93TV4L	Pos KM, HemaTrace	Pos KM, HemaTrace
94CNBB	Pos KM	Pos KM
996K74	Pos KM	Pos KM
9988KW	Pos KM	Pos KM
9AVZ2X	Pos LMG	Pos LMG
9B9FP8	Pos O-tol	Pos O-tol
9D3AGA	Pos KM	Pos KM
9DD8FY	Pos LMG, HemaTrace	Pos LMG, HemaTrace
9FQLFF	Pos KM	Pos KM
9GGVYV	Pos KM	Pos KM
9HU927	Pos hemastix	Pos hemastix
9J9XZ3	Pos LMG	Pos LMG
9LFYG3	Pos Kastle Meyer, HemaTrace	Pos Kastle Meyer, HemaTrace
9NHWTV	Pos KM, HemaTrace	Pos KM, HemaTrace
9RJ29W	Pos KM	Pos KM
9WDYU8	Pos KM, Seratec	Pos KM, Seratec
9WQM2Z	Pos KM	Pos KM
9WTD43	Pos LMG	Pos LMG
9XM3DW	Pos KM	Pos KM
A2NCC7	Pos Visual Exam, Luminol, KM	Pos Visual Exam, Luminol, KM
A3ET8Y	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
A4MWQP	Pos KM	Pos KM
A4QGET	Pos TMB	Pos TMB
A6HPDV	Pos RSID	Pos RSID
A7EV6N	Pos Phenolphthalein, HT card	Pos Phenolphthalein, HT card
A8QLGD	Pos KM	Pos KM
A943MY	Pos KM	Pos KM
AB78XY	Pos KM	Pos KM
ABL92Z	Pos O-tol, Seratec HemDirect Card	Pos O-tol, Seratec HemDirect, Seratec PMB Test
AC2RLX	Pos LMG, HemaTrace	Pos LMG, HemaTrace
ACNZ43	Pos KM, HEM Direct	Pos KM, HEM Direct
AECFDB	Pos KM	Pos KM
AGCWHR	Pos TMB	Pos TMB
AGX8GZ	Pos LMG	Pos LMG
AHKZ2H	Pos OT, Seratec PMB	Pos OT, Seratec PMB
AHP7VY	Pos TMB	Pos TMB
AJZ9GX	Pos TMB	Pos TMB
AKVQKK	Pos KM	Pos KM
AL2H6K	Pos KM + qRT-PCR	Pos KM + qRT-PCR
AR2BUB	Pos KM, HemDirect	Pos KM, HemDirect
ARC6JJ	Pos KM	Pos KM
AU2V9U	Pos TMB	Pos TMB
AUHUK7	Pos KM	Pos KM
AVCKQL	Pos KM	Pos KM
AWCGC3	Pos KM	Pos KM
B2ZHZU	Pos TMB	Pos TMB
B3ANWV	Pos KM	Pos KM
B42MBU	Pos KM	Pos KM
B6KFGX	Pos TMB, HemaTrace	Pos TMB, HemaTrace
B6XZW2	Pos KM	Pos KM
B79XAH	Pos KM	Pos KM
B7E7MC	Pos KM, HEM	Pos KM, HEM
B8LKXY	Pos LMG	Pos LMG
B9ZRDE	Pos TMB, IR	Pos TMB, IR
BA7DRD	Pos LMG, HemaTrace	Pos LMG, HemaTrace
BE7JNW	Pos PTMB,	Pos PTMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
BFZAUC	Pos KM	Pos KM
BJ34U2	Pos KM	Pos KM
BK8RY7	Pos KM, HemaTrace	Pos KM, HemaTrace
BK9P6V	Pos Hemochromogen	Pos Hemochromogen
BKMBH4	Pos O-tol	Pos O-tol
BKXQ87	Pos KM, Hem	Pos KM, Hem
BLALTX	Pos KM	Pos KM
BQ2TB7	Pos TMB (combur), KM	Pos TMB (combur), KM
BTKYGV	Pos LMG	Pos LMG
C34R8H	Pos KM, Hemtrace	Pos KM, Hematract
C4NGLW	Pos KM, HemDirect	Pos KM, HemDirect
C98TDD	Pos LMG	Pos LMG
CB3963	Pos KM	Pos KM
CBFVCV	Pos O-tol	Pos O-tol
CCBCNR	Pos KM	Pos KM
CDM7BK	Pos KM, Takayama	Pos KM, Takayama
CEECHX	Pos KM	Neg KM
CK7EQ4	Pos KM	Pos KM
CMVRLT	Pos KM, HemaTrace	Pos KM, HemaTrace
CPYAWH	Pos KM, HemaTrace	Pos KM, HemaTrace
CRB4HA	Pos PTMB, HemDirect	Pos PTMB, HemDirect
CT3DEW	Pos KM	Pos KM
CTWZW2	Pos KM	Pos KM
CUU26E	Pos KM	Pos KM
CZHT92	Pos LMG	Pos LMG
D6C6PJ	Pos KM, HemaTrace	Pos KM, Takayama
D7HMNE	Pos KM	Pos KM
D9AUMH	Pos KM	Pos KM
DALBD3	Pos KM, HEM	Pos KM, HEM
DC88QV	Pos TMB, PHT	Pos TMB, PHT
DD4T9T	Pos TMB	Pos TMB
DDKM93	Pos KM, Hem	Neg KM
DFPD6W	Pos LMG	Pos LMG
DGJ66A	Pos TMB	Pos TMB
DHC73K	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
DHHBNN	Pos LMG	Pos LMG
DJ62H2	Pos O-tol, HTR	Pos O-tol, HTR
DPVAAM	Pos KM, HemaTrace	Pos KM, HemaTrace
DQ7BVL	Pos KM	Pos KM
DQAVJN	Pos PHT	Pos PHT
DVMGRV	Pos TMB, KM	Pos TMB, KM
DW2WA4	Pos KM, Seratec	Pos KM, Seratec
DWBWZH	Pos KM	Pos KM
DX6M6W	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
DXCV7X	Pos KM, HemaTrace	Pos KM, HemaTrace
E722JV	Pos KM	Pos KM
EAKX6Z	Pos Luminol, KM	Pos Luminol, KM
EBPHY3	Pos Phenolphthalein	Pos Phenolphthalein
ECJ96G	Pos KM	Pos
ECRF4W	Pos KM, O-tol	Pos KM, O-tol
EDJG28	Pos TMB, Takayama	Pos TMB, Takayama
EF4BVM	Pos TMB	Pos TMB
EM6D9Z	Pos KM	Pos KM
ENHW6Q	Pos TMB	Pos TMB
EPZY2Q	Pos KM, HemaTrace	Pos KM, HemaTrace
EQUP86	Pos KM, HemDirect	Pos KM, HemDirect
ETA9X2	Pos KM	Pos KM
EWBFDX	Pos KM	Pos KM
EWV3MF	Pos LMG	Pos LMG
EX8K3E	Pos KM	Pos KM
EXRC7W	Pos LMG	Pos LMG
EZARWQ	Pos KM	Pos KM
F26EL2	Pos KM, HemaTrace	Pos KM, HemaTrace
F2JZXN	Pos KM, HemaTrace	Pos KM, HemaTrace
F3UYXY	Pos O-tol	Pos O-tol
F6A36X	Pos KM	Pos KM
F7CAYA	Pos LMG, HemaTrace	Pos LMG, HemaTrace
F9346Q	Pos KM, HemaTrace	Pos KM, HemaTrace
F9K98W	Pos KM	Pos KM
F9L4WU	Pos TMB	Pos PHT

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
F9ZMGR	Pos TMB, PHT	Pos TMB, PHT
FA9WGC	Pos inmunocromatografica Hb	Pos inmunocromatografica Hb
FAD7QP	Pos KM, HemaTrace	Pos KM, HemaTrace
FB8WW4	Pos KM	Pos KM
FEUHM7	Pos PTMB, HemDirect	Pos PTMB, HemDirect
FF3V68	Pos TMB	Pos TMB
FGDFAB	Pos KM	Pos KM
FHNQGE	Pos KM	Pos KM
FKA9YY	Pos O-tol	Pos O-tol
FKWP39	Pos TMB	Pos TMB
FPRERT	Pos O-tol	Pos O-tol
FRFQQY	Pos KM	Pos KM
FT8QNA	Pos KM, HemaTrace	Pos KM, HemaTrace
FVCNQP	Pos TMB	Pos TMB
FVX8J4	Pos KM	Pos KM
FYY3GK	Pos KM	Pos KM
G3RQ7Q	Pos KM, HemaTrace	Pos KM, HemaTrace
G3VX3T	Pos KM	Pos KM
G4JHKH	Pos ABA Heme	Pos ABA Heme
G4NXZ4	Pos KM	Pos KM
G6ZPRK	Pos LMG	Pos LMG
G7NFMX	Pos O-tol	Pos O-tol
G7V9W8	Pos KM, HemDirect	Pos KM, HemDirect
GA8EZT	Pos LMG test	Pos LMG test
GBP6KX	Pos KM	Pos KM
GC26HT	Pos KM	Pos KM
GE29XU	Pos KM, Hemastix, IR Photography	Pos KM, Hemastix, IR Photography
GFGGEA	Pos KM	Pos KM
GGGC7R	Pos O-tol	Pos O-tol
GKAE6L	Pos KM	Pos KM
GMEB7F	Pos KM	Pos KM
GMX4XD	Pos KM	Pos KM
GPBKNX	Pos KM	Pos KM
GQEL2F	Pos KM, HemaTrace	Pos KM
GQVF3P	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
GTAVKX	Pos KM	Pos KM
GTMN2T	Pos KM	Pos KM
GUDMFR	Pos LMG, HT	Pos LMG, HT
GWLZXT	Pos KM	Pos KM
GXWVPC	Pos KM	Pos KM
H34MCV	Pos LMG	Pos LMG
H4FHXM	Pos TMB	Pos TMB
HAT62R	Pos KM, HemeDirect	Pos KM, HemeDirect
HBD8ER	Pos TMB	Pos TMB
HBW6F7	Pos LMG, ABA HemaTrace	Pos LMG, ABA HemaTrace
HFYZKR	Pos LMG	Pos LMG
HHF2TT	Pos KM	Pos KM
HJTXWC	Pos KM	Pos KM
HJVCU7	Pos KM, HemaTrace	Pos KM, HemaTrace
HKPBUQ	Pos KM	Pos KM
HMA3TL	Pos KM, HemaTrace	Pos KM, HemaTrace
HNQA3A	Pos KM	Pos KM
HPHFAN	Pos RSID	Pos RSID
HQFPER	Pos KM	Pos KM
HQHEMU	Pos LMG	Pos LMG
HT2KTJ	Pos KM	Pos KM
HTJFNR	Pos KM	Pos KM
HUC3EA	Pos ABA heme	Pos ABA heme
HW4CAW	Pos KM	Pos KM
HWKFVB	Pos KM	Pos KM
J27R9J	Pos PHT	Pos PHT
J339KF	Pos KM	Pos KM
J3ELQG	Pos KM	Pos
J3WZ8M	Pos KM	Pos KM
J4D8EP	Pos PHT, TMB	Pos PHT, TMB
J4FN3N	Pos KM, Hemdirect	Pos KM, Hemdirect
J69QJC	Pos KM, HemaTrace	Pos KM, HemaTrace
J7N3AU	Pos KM	Pos KM
J9CJJ3	Pos TMB, Micro	Pos TMB, Micro
J9PVFL	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
J9WZY6	Pos TMB	Pos TMB
JA4F7B	Pos LMG	Pos LMG
JAME6U	Pos KM	Pos KM
JBEE36	Pos KM, HemaTrace	Pos KM, HemaTrace
JBVF68	Pos KM	Pos KM
JBZQAQ	Pos KM, RSID-Blood	Pos O-tol, HemaTrace
JD4Q2B	Pos LMG	Pos LMG
JDH4EL	Pos KM, RSID	Pos KM, RSID
JDNCRF	Pos KM, HemaTrace	Pos KM, HemaTrace
JEELN3	Pos KM, HemDirect	Pos KM, HemDirect
JFNKWQ	Pos TMB	Pos TMB
JGHFBL	Pos TMB, Takayama	Pos TMB, Takayama
JGJ4ZC	Pos KM, HemaTrace	Pos KM, Takayama
JHU86N	Pos KM	Pos KM
JJ7RAR	Pos KM, TMB	Pos KM, TMB
JJM4RW	Pos KM	Pos KM
JMPWRM	Pos LMG	Pos LMG
JN3E2K	Pos KM, HemaTrace	Pos KM, HemaTrace
JNRDFL	Pos PTMB	Pos PTMB
JPXUFC	Pos KM	Pos KM
JR688C	Pos KM	Pos KM
JVNG2A	Pos LMG	Pos LMG
JXB238	Pos KM	Pos KM
JY37AK	Pos RSID-Blood	Pos RSID-Blood
JYXD4	Pos TMB	Pos TMB
JZETUK	Pos TMB	Pos TMB
JZYD2D	Pos KM, Takayama, HemaTrace	Pos KM, Takayama
K26EZG	Pos TMB	Pos TMB
K4V8ML	Pos KM, HemaTrace	Pos KM, HemaTrace
K63VCB	Pos KM	Pos KM
K689Z8	Pos LMG	Pos LMG
K8B2ZX	Pos KM	Pos KM
KA3ZEV	Pos KM, HemaTrace	Pos KM, HemaTrace
KBQMHI	Pos KM	Pos KM
KFLC6H	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
KGGTHE	Pos KM	Pos KM
KJTGAR	Pos LMG	Pos LMG
KKWGN6	Pos LMG, Ouchterlony	Pos LMG, Ouchterlony
KRWR4A	Pos KM	Pos KM
KRY624	Pos KM, HemaTrace	Pos KM, HemaTrace
KTFFZW	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
KUL2DB	Pos KM	Pos KM
KV6LGM	Pos KM, HemDirect	Pos KM, HemDirect
KVYL7L	Pos LMG	Pos LMG
KWAMRK	Pos TMB	Pos TMB
KX67V8	Pos ABA Heme	Pos ABA Heme
KYGRJM	Pos KM, HemaTrace	Pos KM, HemaTrace
KYHQNG	Pos KM	Pos KM
KYL9VT	Pos KM	Pos KM
KZCJJZ	Pos KM	Pos KM
L2JW22	Pos TMB	Pos TMB
L3H2KG	Pos LMG	Pos LMG
L4VTCX	Pos KM	Pos KM
L86399	Pos KM	Pos KM
L8B7BZ	Pos KM, HemaTrace	Pos KM, HemaTrace
L8QKKV	Pos KM, Seratec	Pos KM, Seratec
L8QU4E	Pos TMB	Pos TMB
LERWGR	Pos KM	Pos KM
LF6B62	Pos TMB, Takayama	Pos TMB, Takayama
LFJXE3	Pos TMB	Pos TMB
LFY93A	Pos KM	Pos KM
LGH3WH	Pos LMG	Pos LMG
LHR6K3	Pos KM, HemDirect	Pos KM, HemDirect
LNXX9	Pos KM Test	Pos KM Test
LP67W6	Pos KM	Pos KM
LQ3873	Pos KM	Pos KM
LQLD7T	Pos KM, Luminol	Pos KM, Luminol
LXKK62	Pos TMB	Pos TMB
LZ7FG9	Pos KM, qRT-PCR	Pos KM, qRT-PCR
M3DYCN	Pos HemDirect	Pos HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
M46ZAY	Pos PTMB, HemDirect	Pos PTMB, HemDirect
M6WEFN	Pos KM, Hemedirect	Pos KM, Hemedirect
M7BHAF	Pos KM	Pos KM
M86DNC	Pos ABA Heme	Pos ABA Heme
MAX634	Pos LMG, HemaTrace	Pos LMG, HemaTrace
MB24UM	Pos TMB	Pos TMB
MC4KHL	Pos TMB, HemaTrace	Pos TMB, HemaTrace
ME436F	Pos TMB	Pos TMB
ME8KA7	Pos LMG	Pos LMG
MGDXYK	Pos PTMB	Pos PTMB, HemaTrace
MGQGVB	Pos KM, HemaTrace	Pos KM, HemaTrace
MHLAHG	Pos ABACard HemaTrace	Pos ABACard HemaTrace
MJ2AYQ	Pos KM	Pos KM
MKCCKP	Pos KM, HemaTrace	Pos KM, HemaTrace
MKQWX8	Pos KM	Pos KM
MKUBV2	Pos KM, HemaTrace	Pos KM, HemaTrace
MLG4FH	Pos KM	Pos KM
MM2GJN	Pos KM	Pos KM
MME92J	Pos KM	Pos KM
MMH MV8	Pos LMG	Pos LMG
MNCMGP	Pos KM, HemaTrace	Pos KM, HemaTrace
MP4NDZ	Pos TMB	Pos TMB
MPLJXM	Pos TMB	Pos TMB
MQ2RFN	Pos KM	Pos KM
MQ2UWF	Pos KM	Pos KM
MQWB4H	Pos KM	Pos KM
MT4QBN	Pos LMG, HT	Pos LMG, HT
MTKZ4P	Pos KM, HT	Pos KM, HT
MTLVTM	Pos TMB	Pos KM
MW428N	Pos LMG, HT	Pos LMG, HT
MWJGGJ	Pos KM	Pos KM
MWMV6	Pos KM	Pos KM
MYPJP9	Pos KM	Pos KM
MZPMCH	Pos KM, HemaTrace	Pos KM, HemaTrace
N37LTK	Pos TMB	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
N3NDYN	Pos KM	Pos KM
N6DLAK	Pos KM, HemaTrace	Pos KM, HemaTrace
N6ENMV	Pos KM, HemaTrace	Pos KM, HemaTrace
N6U2Z8	Pos KM	Pos KM
N8NEDY	Pos TMB	Pos TMB
N9AAN7	Pos KM + qRT-PCR	Pos KM + qRT-PCR
N9ZAYR	Pos KM	Pos KM
NDMAMJ	Pos HemaTrace	Pos HemaTrace
NE48FH	Pos KM	Pos KM
NEWBQ6	Pos LMG, HemaTrace	Pos LMG, HemaTrace
NFUNBC	Pos TMB	Pos TMB
NG6EFL	Pos KM, TMB	Pos KM, TMB
NHXAW4	Pos KM	Pos KM
NNK7PK	Pos TMB	Pos TMB
NPFPT8	Pos KM, HemaTrace	Pos KM, Takayama
NQXJUG	Pos TMB	Pos TMB
NR3D3L	Pos KM, TMB	Pos KM, TMB
NUUF6U	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
NWYWAQ	Pos O-tol	Pos O-tol
NYM8PJ	Pos TMB	Pos TMB
NZLHFK	Pos KM	Pos KM
P6RGHX	Pos TMB, HemaTrace	Pos TMB, HemaTrace
PBDHE3	Pos ABA Heme	Pos ABA Heme
PBVEYP	Pos KM	Pos KM
PDGB7F	Pos TMB	Pos TMB
PECUB3	Pos Heme	Pos Heme
PG4YVM	Pos KM	Pos KM
PG6M7L	Pos TMB	Pos TMB
PJCZVZ	Pos KM, HemaTrace	Pos KM, HemaTrace
PK42TB	Pos KM, HemaTrace	Pos KM, HemaTrace
PLEUWP	Pos KM	Pos KM
PP37VV	Pos KM, Hemdirect	Pos KM, Hemdirect
PQD9JF	Pos PTMB, RSID	Pos PTMB, RSID
PR3L2X	Pos TMB	Pos TMB
PTDFR7	Pos Kastle Meyer	Pos Kastle Meyer

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
PTUQ8Q	Pos KM	Pos KM
PUNGD6	Pos KM	NT
PV227E	Pos TMB	Pos TMB
PVNDYL	Pos LMG	Pos LMG
PWGEWW	Pos TMB(Hemastix), HemaTrace	Pos TMB(Hemastix), HemaTrace
PX92MF	Pos KM	Pos KM
PYJ9JF	Pos KM	Pos KM
PZFN9K	Pos KM	Pos KM
PZYCQE	Pos KM, HemaTrace	Pos KM, HemaTrace
Q3M8QT	Pos KM	Pos KM
Q6P2QJ	Pos KM	Pos KM
Q8A46H	Pos TMB	Pos KM
Q9AVLX	Pos KM	Pos KM
QAXKC6	Pos KM	Pos KM, ALS
QB8PRE	Pos KM	Pos KM
QC6UU2	Pos LMG	Pos LMG
QKE8PC	Pos KM	Pos KM
QMHCY	Pos LMG, HemaTrace	Pos LMG, HemaTrace
QNFGNK	Pos KM, HB	Pos KM, HB
QNWKAY	Pos KM	Pos KM
QPPD6H	Pos PHT, HemaTrace	Pos TMB, HemaTrace
QQRUTG	Pos KM	Pos KM
QR6LMJ	Pos KM	Pos KM
QTFNAH	Pos KM	Pos KM
QTWLKU	Pos KM, HemDirect	Pos KM, HemDirect
QV38BF	Pos KM, Hemdirect	Pos KM, Hemedirect
QXQJAL	Pos KM, HemDirect	Pos KM, HemDirect
R22XBW	Pos KM, HemaTrace	Pos KM, HemaTrace
R2G9Y4	Pos KM	NT
R2XKC3	Pos KM	Pos KM
R4CVNE	Pos KM, HemaTrace	Pos KM, HemaTrace
R6LR6C	Pos TMB	Pos TMB
R6LWFE	Pos O-tol	Pos O-tol
R7C3UJ	Pos LMG, HT	Pos LMG, HT
R8M6H4	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
R8R9KV	Pos KM, HemaTrace	Pos KM, HemaTrace
RACF9W	Pos LMG, HemaTrace	Pos LMG, HemaTrace
RCY4X4	Pos KM, HemaTrace	Pos KM, Takayama
RDEDWV	Pos KM	Pos KM
RELR8H	Pos KM, TMB	Pos KM, TMB
RGECL3	Pos KM, OBTI	Pos KM, OBTI
RJ2VKF	Pos KM	Pos KM
RJ6LNG	Pos KM	Pos KM
RKGCLZ	Pos KM, HemaTrace	Pos KM, HemaTrace
RLPN2F	Pos TMB, KM, HemaTrace	Pos TMB, KM, HemaTrace
RMD6A4	Pos KM	Pos KM
RQ3FFN	Pos KM, Hem	Pos KM, Hem
RULBHF	Pos PTMB, HemaTrace	Pos PTMB
RVF2NV	Pos KM	Pos KM
RWN8V4	Pos KM, HemaTrace	Pos KM, HemaTrace
RZAXDL	Pos KM	Pos KM
RZMHTP	Pos KM	Pos KM
RZNFYE	Pos KM	Pos KM
T4ZZ8C	Pos PTMB	Pos PTMB
T6UJBX	Pos ALS, TMB, LMG, RSID	Pos ALS, TMB, LMG, RSID
T6YUFH	Pos O-tol, HemDirect	Pos O-tol, HemDirect
T7BPN3	Pos KM	Pos KM
T8MFX8	Pos KM, HemaTrace	Pos KM, HemaTrace
TABN89	Pos TMB	Pos TMB
TAMTCJ	Pos LMG	Pos LMG
TB4KUG	Pos TMB	Pos TMB
TEA2AZ	Pos LMG	Pos LMG
TFHDQ2	Pos LMG	Pos LMG
TFZEFP	Pos Luminol, KM,	Pos KM
TGAHYE	Pos PTMB	Pos PTMB
THPQEU	Pos KM	Pos KM
TJW3ZC	Pos KM	Pos KM
TKV9DQ	Pos KM, HemDirect	Pos KM, HemDirect
TP4QHK	Pos KM	Pos KM
TQVM7E	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
TQWGMY	Pos KM	Pos KM
TR7BJY	Pos KM	Pos KM
TRBRWP	Pos KM	Pos KM
TRQ3JB	Pos KM	Pos KM
TRUQUN	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
TT32DK	Pos KM	Pos KM
TU23LX	Pos KM	Pos KM
TUKWBE	Pos KM, Hemdirect	Pos KM, Hemdirect
TUWRJY	Pos KM	Pos KM
TW6PLG	Pos KM	Pos KM
TXGJ7M	Pos Hemastix, RSID	Pos Hemastix, RSID
TXW4DD	Pos LMG	Pos LMG
TXYFPA	Pos KM	Pos KM
TXZA8U	Pos TMB	Pos TMB
TY6XBY	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
TYC4TM	Pos KM, HemaTrace	Pos KM, HemaTrace
U3MN3F	Pos LMG	Pos LMG
U3P4PD	Pos PTMB, HemaTrace	Pos PTMB
U4JUVT	Pos KM, Hemdirect	Pos KM, Hemdirect
U7PG6Q	Pos KM	Pos KM
UAQFRC	Pos KM	Pos KM
UEZJQR	Pos PHT	Pos PHT
UEZTAB	Pos KM	Pos KM
UHMBNF	Pos Hemochromogen	Pos Hemochromogen
UMY4WT	Pos KM	Pos KM
UN39YF	Pos TMB	Pos PHT
UQEPEE	Pos KM	Pos KM
UR9LPU	Pos TMB	Pos TMB
UV8V2G	Pos KM	Pos KM
UVPUDU	Pos TMB	Pos TMB
UWMZV9	Pos KM	Pos KM
UXUJBW	Pos KM	Pos KM
UYN9XX	Pos LMG	Pos LMG
UZ3KNF	Pos LMG	Pos LMG
V49UVB	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
V4D7J8	Pos TMB	Pos TMB
V6QNWK	Pos KM	Pos KM
V73HHC	Pos TMB	Pos TMB
V7KE3Y	Pos KM	Pos KM
VAKPWD	Pos LMG	Pos LMG
VC6JQT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
VCAVPB	Pos KM, Takayama	Pos KM, Takayama
VDNBWX	Pos KM	Pos KM
VECR4K	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
VGJ8DB	Pos KM	Pos KM
VHZ6YA	Pos PTMB, HemaTrace	Pos PTMB
VJ7QE9	Pos KM, HemaTrace	Pos KM, HemaTrace
VJ8JCG	Pos KM	Pos KM
VJB7QA	Pos KM	Pos KM
VLDYRZ	Pos KM	Pos KM
VMACC8	Pos TMB	Pos TMB
VMLFGH	Pos O-tol	Pos O-tol
VMQT6E	Pos KM, TMB	Pos KM, TMB
VN4BEC	Pos PTMB, HemaTrace	Pos PTMB
VQVATB	Pos KM, HemaTrace	Pos KM, HemaTrace
VR4M9Q	Pos KM, HEM	Pos KM, HEM
VR83MD	Pos KM, HemDirect	Pos KM, HemDirect
VRJNBT	Pos KM, HemaTrace	Pos KM, HemaTrace
VRNZYP	Pos KM	Pos KM
VX8KPH	Pos KM	Pos KM
VYYGDC	Pos O-tol	Pos O-tol
VZUWQ9	Pos KM	Pos KM
W6EM3U	Pos KM	Pos KM
W94T4E	Pos KM, TMB	Pos KM, TMB
W97J7G	Pos KM	Pos KM
WAEYXU	Pos KM	Pos KM
WCHHAA	Pos O-tol	Pos O-tol
WCLV3W	Pos KM	Pos KM
WD2D4H	Pos KM	Pos KM
WDWRHA	Pos LMG, RSID	Pos LMG, RSID

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
WGDGGD	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
WJ69TJ	Pos KM	Pos KM
WJN4QD	Pos KM	Pos KM
WKC3B	Pos O-tol, Seratec HemDirect Card	Pos O-tol, Seratec HemDirect Card
WKYYYX	Pos KM, qRT-PCR	Pos KM, qRT-PCR
WMNG6P	Pos TMB, Takayama	Pos TMB, Takayama
WNZ3T7	Pos KM	Pos KM
WQQA7F	Pos KM, HemaTrace	Pos KM, HemaTrace
WT7VLF	Pos LMG	Pos LMG
WV7KJJ	Pos KM, Hemdirect	Pos KM, Hemdirect
WVXRAA	Pos KM	Pos KM
WWDZQP	Pos KM, HemDirect	Pos KM, HemDirect
WWRFWC	Pos LMG	Pos LMG
WZAMBD	Pos LMG	Pos LMG
WZCFWR	Pos KM, HemaTrace	Pos KM, HemaTrace
WZN7UB	Pos KM, HemaTrace	Pos KM, HemaTrace
WZTL8B	Pos KM	Pos KM
X3VPPP	Pos KM, Hemdirect	Pos KM, Hemdirect
X83J4T	Pos LMG, HemaTrace	Pos LMG, HemaTrace
X8AKCE	Pos LMG	Pos LMG
X9GRLU	Pos TMB, LMG, RSID	Pos TMB, LMG, RSID
XA9WU8	Pos RSID	Pos RSID
XB64LZ	Pos HemDirect, KM	Pos HemDirect, KM
XBAG9W	Pos KM	Pos KM
XDLACB	Pos HemDirect	Pos HemDirect
XGWB49	Pos LMG	Pos LMG
XMZGJB	Pos TMB	Pos KM
XP739W	Pos KM	Pos KM
XRUE93	Pos KM	Pos KM
XT69UU	Pos LMG	Pos LMG
XTP2K7	Pos KM	Pos KM
XVW89T	Pos KM, Seratec Hemdirect	Pos KM, Seratec Hemdirect
XW986M	Pos KM	Pos KM
XWCKYB	Pos KM	Pos KM
XXZUV6	Pos PH, HemaTrace	Pos PH, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
Y2YLM3	Pos TMB	Pos TMB
Y3AKKW	Pos KM, HemaTrace	Pos KM, Takayama
Y3RKP8	Pos KM, Hemdirect	Pos KM, Hemdirect
Y6W9UB	Pos KM, TMB	Pos KM, TMB
YATQG4	Pos KM	Pos KM
YCWQB9	Pos Hexagon Obti	Pos Hexagon Obti
YENHPZ	Pos KM, HemaTrace	Pos KM, HemaTrace
YGQGZT	Pos ABACard	Pos ABACard
YJEW8F	Pos O-tol	Pos O-tol
YJJC2	Pos KM, HemaTrace	Pos KM, HemaTrace
YJYV8Y	Pos HM, HemaTrace	Pos KM
YKCBP7	Pos KM, HemaTrace	Pos KM, HemaTrace
YNCKM7	Pos KM, HemaTrace	Pos KM, HemaTrace
YPLQ2B	Pos KM	Pos KM
YQDVAP	Pos LMG	Pos LMG
YQZYJC	Pos KM	Pos KM
YR96T7	Pos KM	Pos KM
YRRYGM	Pos KM, HemaTrace	Pos KM, HemaTrace
YT4U3F	Pos KM	Pos KM
YV8FN7	Pos KM	Pos KM
YVPPN	Pos KM	Pos KM
YXBB8A	Pos KM	Pos KM
YXLRVC	Pos O-tol, HD	Pos O-tol, HD
YXUZP4	Pos PTMB, HemaTrace	Pos PTMB, HemaTrace
YYU9LU	Pos LMG	Pos LMG
YZL9KQ	Pos KM	Pos KM
Z2CK7H	Pos TMB, HemaTrace	Pos TMB, HemaTrace
Z2CPGK	Pos KM	Pos KM
Z4Z2FQ	Pos KM	Pos KM
Z62W6N	Pos KM, Hemdirect	Pos KM, Hemdirect
Z78JEL	Pos TMB, Takayama	Pos TMB, Takayama
ZAQFZQ	Pos ALS, KM	Pos ALS, KM
ZDPK3B	Pos KM, HemaTrace	Pos KM, HemaTrace
ZEXWL9	Pos LMG, HT	Pos LMG, HT
ZEYUQ3	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
ZFHLZM	Pos TMB, Micro	NT
ZGLJ33	Pos PHT	Pos PHT
ZHCQ26	Pos KM, HemaTrace	Pos KM, HemaTrace
ZHHYEY	Pos KM	Pos KM
ZMA7X8	Pos TMB, PHT	Pos TMB, PHT
ZQRDBA	Pos LMG	Pos LMG
ZR3C84	Pos KM, HemaTrace	Pos KM, HemaTrace
ZR466C	Pos KM	Pos KM
ZR8RK4	Pos KM	Pos KM
ZRCXEL	Pos KM, Hemdirect	Pos KM, Hemdirect
ZUBHT6	Pos TMB	Pos TMB
ZUC76N	Pos LMG, HemaTrace	Pos LMG, HemaTrace
ZUVY98	Pos TMB	Pos TMB
ZZKPJA	Pos KM	Pos KM

Table 1a: Serology Screening Response Summary - BloodParticipants: **729**

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

Summary below includes all participants who performed any screening including those excluded from the table above.

	Item 3	Item 4
Positive	712	707
Negative	0	2
Inconclusive	0	0
Not Tested (NT)	16	19
Not Reported	1	1

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
23Q8H6	Neg AP, PSA, Micro	Pos AP, PSA, Micro
24D83T	NT	Pos ALS, PSA
24FKZM	Neg AP	Pos AP, PSA, Micro
26U329	Inc AP	Pos AP, p30, Micro
272FCU	Neg AP	Pos AP, Micro, PSA
27HMJX	Neg AP	Pos AP; Micro
27M3YJ	Neg AP, Seratec	Pos AP, Seratec, Micro
29V7VF	Neg AP and PSA	Pos AP, PSA and Micro
2BECZ6	Neg ALS, AP	Pos ALS, AP, Micro, PSA
2DKM6K	Neg AP	Pos AP
2FTX4A	Neg AP, ALS	Pos AP, PSA, ALS
2GZAM7	Neg AP, Micro for Sperm	Pos AP, Micro for Sperm
2HWUA7	Neg PSA, RSID	Pos PSA, RSID
2JCXEJ	Neg AP	Pos AP
2LJDNB	Neg PSA, Micro	Pos PSA, Micro
2LUDB4	Neg AP	Pos AP
2M72XP	Neg AP, ALS	Pos AP, ALS, Micro
2M9J42	Neg ALS, AP	Pos ALS, AP, Micro
2N438M	Neg AP	Pos AP, Micro
2NL8BU	NT	Pos PSA
2NX763	Neg ALS, AP	Pos ALS, AP, Micro, PSA
2PE4UL	Neg AP	Pos AP
2PE96N	Neg AP	Pos AP, PSA, Micro
2PYPKR	Neg AP	Pos AP, Micro, PSA
2QUDWV	NT	Pos PSA
2VJZF8	Neg PSA, Micro	Pos AP, PSA, Micro
2WUWW6	Neg ALS, AP	Pos ALS, AP, Micro, PSA
2XWDK4	Neg AP, PSA, ALS	Pos AP, PSA, ALS, Micro
2YGPGM	Neg AP, PSA, Micro	Pos AP, PSA, Micro
2ZCYZ4	Neg ALS, AP, RSID	Pos ALS, AP, RSID, PSA, Micro
2ZZDCN	Neg AP, PSA, Micro	Pos AP, PSA, Micro
33ZV2	Neg ALS, AP	Pos ALS, AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
34DERR	Neg AP, Micro, ALS	Pos AP, Micro, ALS
363NZ9	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
38A49Y	Neg ALS, AP	Pos ALS, AP, Micro
38DQNR	Neg AP, Micro	Pos AP, Micro
3AWPY2	Neg AP, Micro, PSA	Pos AP, Micro, PSA
3CRAY8	Neg ALS, FBB (AP)	Pos ALS, FBB (AP), PSA
3DZKH6	Neg ALS, AP, PSA, Micro	Pos AP, ALS, PSA, Micro
3EETZ6	Neg AP	Pos AP, Micro
3EWNKR	Neg AP	Pos AP, Micro, PSA
3GUJQ9	Neg AP, PSA, Micro	Pos AP, Micro
3HV6XL	Neg AP	Pos AP, PSA, Micro
3KHGX4	Neg AP	Pos AP
3LQ7N3	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
3PPCAZ	Neg ALS, AP	Pos ALS, AP, Micro
3Q8BKC	Neg ALS, AP, PSA, and Micro	Pos ALS, AP, PSA, and Micro
3Q9CFB	Neg PSA, Micro	Pos PSA, Micro
3QKZL4	Neg AP, Micro	Pos AP, Micro
3TDN97	Neg AP, ALS	Pos AP, ALS, PSA, Micro
3TGKLA	NT	Pos AP, Micro
3U4ZWH	Neg AP	Pos AP
3VGN3B	Neg AP	Pos AP, PSA, Micro
3VVM8	Neg PSA	Pos PSA
3X8LXW	Neg AP, PSA	Pos AP, PSA, Micro
3XQHE3	Neg AP, PSA, Micro	Pos AP, PSA, Micro
43AE6X	Neg ALS, AP	Pos ALS, AP, Micro, PSA
43WQX4	Neg ALS, AP	Pos ALS, AP, Micro
4697R6	Neg ALS, AP	Pos ALS, AP, Micro
46FLL6	Neg AP, Micro, PSA	Pos AP, Micro,
47ET24	Neg AP; Micro	Pos AP; Micro
47WTVT	NT	Pos p30
4936Z9	Neg AP, Micro, PSA	Pos AP, Micro, PSA
4BN6N4	Neg AP, Micro, ALS	Pos AP, Micro, p30, ALS
4CHYF7	Neg AP, PSA, Micro	Pos AP, PSA, Micro
4D3BL7	Neg ALS, AP	Pos ALS, AP, Micro, RSID-Semen

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
4DCCD7	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
4DCGN9	Neg ALS, AP	Pos ALS, AP, Micro
4E7AG8	Neg ABACard p30, Micro	Pos ABACard p30, Micro
4EMJA8	Neg AP	Pos AP, PSA, Micro
4EQ7PZ	Neg ALS, AP, Micro	Pos ALS, AP, Micro, PSA
4EQYPU	Neg ALS, AP, Micro	Pos ALS, AP, Micro
4FY6XN	Neg ALS, AP, RSID, PSA	Pos ALS, AP, RSID, PSA
4GUU9W	Neg ALS, AP	Pos ALS, AP, Micro, PSA
4GYZ3D	Neg ALS, AP	Pos ALS, AP, RSID-Semen, Micro
4H6UBH	Neg ALS, AP	Pos ALS, AP, Micro, PSA
4J3ZUX	Neg AP, Micro, p30	Pos AP, Micro, p30
4MZCK4	Neg ALS, AP, Micro	Pos ALS, AP, Micro
4PQHE2	Neg ALS, AP	Pos ALS, AP, PSA, Micro
4TEUD7	Neg AP, PSA	Pos AP, PSA
4UZPRY	Neg ALS, AP	Pos ALS, AP, Micro, PSA
4UZRBB	Neg ALS, AP	Pos ALS, AP, Micro
4VBRDX	Neg ALS, AP	Pos ALS, AP, p30, Micro
4W2ZDZ	Neg AP, RSID	Pos AP, RSID
4W78PU	Neg PSA	Pos PSA, Micro
4X8WFK	Neg AP	Pos AP
4Z7JLU	Neg AP, PSA, Micro	Pos AP, PSA, Micro
62YKD4	Neg ALS, AP	Pos ALS, AP, PSA, Micro
644D6G	Neg AP	Pos AP
69EJA3	Neg AP, Micro	Pos AP, Micro
69JQ4J	Neg ALS, AP	Pos ALS, AP, Micro, PSA
6B6LFQ	NT	Pos PSA, ALS
6E7KYV	Neg PSA	Pos PSA, Micro
6ENGE2	Neg AP	Pos AP
6GFFTZ	Neg ALS, AP, PSA	Pos ALS, AP, PSA, Micro
6JFXGU	Neg Micro, PSA	Pos Micro, PSA
6P8Y89	Neg AP, PSA	Pos AP, PSA
6QH3CK	Neg AP	Pos AP, Micro
6TJXA2	Neg PSA, AP, Micro	Pos PSA, AP, Micro
6V7RQ3	Neg ALS, AP	Pos ALS, AP, Micro, p30

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
6VA4N7	Neg AP, PSA, Micro	Pos AP, Micro
6VQB XV	Neg AP	Pos AP, Micro
6VUVLX	Neg ALS, AP	Pos ALS, AP, Sperm search
6YNY44	Neg PSA	Pos PSA
6YWKD8	Neg AP, p30, Micro	Pos AP, p30, Micro
72F3PN	Neg AP	Pos AP, Micro, PSA
76B2XR	Neg AP	Pos AP, Micro
76ELKV	Neg ALS, AP	Pos ALS, AP, Micro, PSA
78GJVN	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
79T2BM	Neg AP/Micro	Pos AP/Micro
7A7T44	Neg ALS, AP, Micro	Pos ALS, AP, Micro, PSA
7AT6WB	Neg PSA, AP	Pos PSA, AP, Micro
7BTLNK	Neg AP	Pos AP, Micro
7EM7W4	Neg AP, Micro, p30	Pos AP, Micro
7GRLGN	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
7HLHR4	Neg AP, Micro	Pos AP, Micro
7JEHPE	Neg ALS, AP	Pos ALS, AP, PSA, Micro
7JUFGE	Neg AP, Seratec	Pos AP, Seratec, Micro
7LMFEP	Neg AP	Pos AP, Micro, PSA
7LYCJU	Neg ALS, AP	Pos ALS, AP, Micro, PSA
7N3Y6L	Neg AP	Pos AP, Micro, PSA
7P7LY7	Neg AP	Pos AP, Micro, PSA
7QGHB3	Neg ALS, AP	Pos ALS, AP, Micro
7RT29E	Neg AP, ALS	Pos ALS, AP
7UP2WN	Neg AP, PSA, ALS	Pos AP, PSA, Micro, ALS
7WWZP7	Neg AP, Micro, PSA	Pos AP, Micro
7Z2RT6	Neg AP, Micro, p30, ALS	Pos AP, Micro, p30, ALS
82B2JG	Neg AP	Pos AP
82NPPA	Neg ALS, AP	Pos ALS, AP, PSA, Micro
832C8N	Neg AP	Pos AP, PSA
87X389	Neg AP, PSA, Micro	Pos AP, PSA, Micro
88KCH3	Neg AP	Pos AP, Micro
89CDED	Neg AP	Pos AP
8ALHT2	Neg AP, Micro	Pos AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
8ANY3U	Neg ALS, AP	Pos ALS, AP, Micro, PSA
8B3EK2	Neg AP	Pos AP, Micro
8BWEAZ	Neg ALS, AP	Pos ALS, AP, Micro, PSA
8CCNBD	Neg AP	Pos AP
8CW6QF	Neg AP	Pos AP, Micro
8ECQ92	Neg AP and Micro	Pos AP and Micro
8EVP6Z	Neg ALS, AP	Pos ALS, AP, Micro, PSA
8FX7TY	Neg AP, PSA, Micro	Pos AP, PSA, Micro
8LW22W	Neg ALS, AP	Pos ALS, AP, Microscopic, p30 (PSA)
8PDEZY	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
8PTTAT	Neg ALS, AP	Pos ALS, AP, Micro, PSA
8QN9LQ	Neg AP	Pos AP, Micro
8TF8ZN	Neg AP	Pos AP, Micro, p30
8TY9PC	Neg ALS, AP	Pos ALS, AP
8V23P3	Neg AP, PSA, Micro	Pos AP, PSA, Micro
8VMKNH	Neg AP, Micro, PSA	Pos AP, Micro, PSA
8ZDWGT	Neg ALS, AP	Pos ALS, AP, Micro, PSA
93TV4L	Neg AP, Micro	Pos AP, Micro
94CNBB	Neg AP	Pos AP
996K74	Neg AP	Pos AP, PSA, Micro
9988KW	Neg AP, Micro, PSA	Pos AP, Micro, PSA
9AVZ2X	Neg ALS, AP	Pos ALS, AP, Micro, PSA
9B9FP8	Neg AP	Pos AP
9D3AGA	Neg AP	Pos AP, Micro
9DD8FY	Neg AP, Micro, PSA	Pos AP, Micro
9FQLFF	Neg AP	Pos AP
9GGVYV	Pos AP, Micro, PSA, ALS	Pos AP, Micro, PSA, ALS
9HU927	Neg ALS, AP	Pos ALS, AP, Micro
9J9XZ3	Neg AP	Pos AP, Micro
9LFYG3	Neg ALS, AP, Micro, p30	Pos ALS, AP, Micro, p30
9RJ29W	NT	Pos ALS, AP, Micro, PSA
9WDYU8	Neg AP	Pos AP, Micro
9WQM2Z	Neg AP, PSA, Micro	Pos AP, PSA, Micro
9WTD43	Neg AP	Pos AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
9XM3DW	Neg AP, Micro	Pos AP, Micro
A2NCC7	Neg ALS, AP, Micro	Pos ALS, AP, Micro
A3ET8Y	Neg AP	Pos Micro, AP
A4MWQP	Neg AP	Pos AP, Micro
A4QGET	Neg ALS, AP	Pos ALS, AP, Micro
A6HPDV	Neg RSID	Pos RSID
A7EV6N	Neg ALS, AP, Micro, PSA card	Pos ALS, AP, Micro, PSA card
A8QLGD	Neg AP	Pos AP, PSA, Micro
A943MY	Neg ALS, AP, Micro	Pos ALS, AP, Micro, PSA
AB78XY	Neg AP, Micro	Pos AP, Micro
ABL92Z	Neg AP Spot, Seratec PSA Card, Microscopic	Pos AP Spot, Seratec PSA card, Microscopic
AC2RLX	Neg AP, PSA, Micro	Pos AP, Micro
ACNZ43	Neg AP	Pos AP, Micro, PSA
AECFDB	Neg ALS, AP	Pos ALS, AP
AGCWHR	Neg ALS, AP	Pos ALS, AP, Micro, PSA
AGR6KZ	Neg p30 ABACard	Pos p30 ABACard
AGX8GZ	Neg ALS, AP	Pos ALS, AP, Micro, PSA
AHKZ2H	Neg AP, PSA, Micro	Pos AP, PSA, Micro
AHP7VY	Neg ALS, AP	Pos ALS, AP, Micro, PSA
AJZ9GX	Neg AP, ALS	Pos AP, ALS, PSA, Micro
AKVQKK	Neg AP, Micro	Pos AP, Micro
AL2H6K	NT	Pos PSA
AR2BUB	Neg AP	Pos AP, Micro
ARC6JJ	Neg AP, Micro	Pos AP, Micro
AU2V9U	Neg ALS, AP	Pos ALS, AP, Micro, PSA
AUHUK7	Neg AP	Pos AP, PSA, Micro
AVCKQL		Pos PSA
AWCGC3	Neg ALS, AP, Micro	Pos ALS, AP, Micro
B2ZHZU	Neg ALS, AP	Pos ALS, AP, Micro, PSA
B3ANWV	Neg AP, Micro	Pos AP, Micro
B42MBU	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
B6KFGX	Neg AP, PSA, Micro	Pos AP, PSA, Micro
B6XZW2	Neg AP, PSA, Micro	Pos AP, PSA, Micro
B79XAH	Neg AP, Micro	Pos AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
B7E7MC	Neg AP	Pos AP, Micro
B8LKXY	Neg AP, RSID	Pos AP, RSID
B9ZRDE	Neg ALS, AP	Pos ALS, AP, PSA, Micro
BA7DRD	Neg AP, PSA, Micro	Pos AP, PSA, Micro
BE7JNW	Neg AP, PSA, ALS	Pos AP, PSA, ALS, Micro
BFZAUC	Neg AP	Pos AP
BJ34U2	Neg ALS, AP	Pos ALS, AP, Micro
BK8RY7	Neg ALS, AP	Pos ALS, AP, PSA
BK9P6V	Neg AP	Pos AP, Micro
BKMBH4	Neg AP	Pos AP
BKXQ87	Neg AP	Pos AP, Microscopic
BLALTX	Neg ALS, AP	Pos ALS, AP, Micro, PSA
BQ2TB7	Neg AP, PSA	Pos AP, PSA, Micro
BTKYGV	Neg ALS, AP	Pos ALS, AP, Micro, PSA
C34R8H	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
C4NGLW	Neg ALS, AP, PSA	Pos ALS, AP, PSA, Micro
C98TDD	Neg AP, PSA	Pos AP, PSA, Micro
CBFVCV	Neg AP	Pos AP, Micro
CCBCNR	Neg AP, Micro	Pos AP, Micro, PSA
CDM7BK	Neg AP	Pos AP, Micro, PSA
CEECHX	Neg AP	Pos AP, Micro
CK7EQ4	Neg AP	Pos AP, PSA, Micro
CMVRLT	Neg AP, PSA, Micro	Pos AP, PSA, Micro
CPYAWH	Neg AP, Micro, PSA	Pos AP, Micro, PSA
CRB4HA	Neg ALS, AP	Pos ALS, AP, PSA, Micro
CT3DEW	Neg AP	Pos AP, Micro
CTWZW2	Neg AP	Pos AP, PSA, Micro
CUU26E	Neg ALS, AP	Pos ALS, AP, Micro
CZHT92	Neg AP	Pos AP, PSA
D6C6PJ	Neg AP	Pos AP, Micro, PSA
D7HMNE	Neg ALS, AP	Pos ALS, AP, Micro
D9AUMH	Neg ALS, AP	Pos ALS, AP, Micro, PSA
DALBD3	Neg AP	Pos AP, Micro
DC88QV	Neg ALS, AP	Pos ALS, AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
DD4T9T	Neg ALS, AP	Pos ALS, AP, PSA, Micro
DDKM93	Neg AP	Pos AP, Micro
DFPD6W	Neg PSA	Pos PSA
DGJ66A	Neg ALS, AP	Pos ALS, AP, Micro, PSA
DHC73K	Neg AP	Pos AP, Micro
DHHBNN	Neg ALS, AP	Pos ALS, AP, Micro
DJ62H2	NT	Pos AP, PSA
DPVAAM	Neg TMP, PSA	Pos TMP, PSA, Micro
DQ7BVL	Neg AP	Pos Micro, AP
DQAVJN	Neg ALS, AP	Pos ALS, AP, Microscopic
DVMGRV	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
DW2WA4	Neg AP	Pos AP, Microscopic
DWBWZH	Neg ALS, AP	Pos ALS, AP, Micro, PSA
DX6M6W	Neg AP, PSA, Micro	Pos AP, PSA, Micro
DXCV7X	Neg AP, p30, Micro	Pos AP, p30, Micro
EAKX6Z	Neg ALS, AP, Micro	Pos ALS, AP, Micro
EBPHY3	Neg AP	Pos AP, PSA, Micro
ECJ96G	NT	Pos seratec
ECRF4W	Neg AP (inc); Micro; p30	Pos AP; Micro; p30
EDJG28	Neg AP	Pos AP, Micro
EF4BVM	Neg ALS, AP	Pos ALS, AP, Micro, PSA
ENHW6Q	Neg ALS, AP	Pos ALS, AP, PSA, Micro
EPZY2Q	Neg AP, PSA, Micro	Pos AP, PSA, Micro
EQU86	Neg AP	Pos AP
ETA9X2	Neg AP	Pos Micro, AP, PSA
EWBFDX	Neg ALS, AP	Pos ALS, AP, Micro
EWV3MF	Neg AP	Pos AP, Micro, PSA
EX8K3E	Neg ALS, AP	Pos ALS, AP, Micro
EXRC7W	Neg AP	Pos AP, Micro
EZARWQ	Neg AP	Neg AP
F26EL2	Neg AP	Pos AP, Micro
F3UYXY	Neg AP	Pos AP, Micro
F6A36X	Neg ap	Pos ap, Micro
F7CAYA	Neg AP, Micro	Pos AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
F9E2ZU	Neg p30, Micro	Pos p30, Micro
F9K98W	Neg ALS, AP	Pos ALS, AP, PSA, Micro
F9L4WU	Neg ALS; AP; Micro; PSA	Pos ALS; AP; Micro; PSA
F9ZMGR	Neg ALS, AP	Pos ALS, AP, PSA, Micro
FA9WGC	Neg inmunocromatografica p30	Pos inmunocromatografica p30
FAD7QP	Neg AP, PSA, Micro	Pos AP, PSA, Micro
FB8WW4	Neg AP	Pos AP
FEUHM7	Neg ALS, AP	Pos ALS, AP, PSA, Micro
FF3V68	Neg ALS, AP, p30, Micro	Pos ALS, AP, p30, Micro
FGDFAB	Neg ALS, AP	Pos ALS, AP, Micro
FHNQGE	NT	Pos PSA
FKA9YY	Neg AP	Pos AP, PSA
FKWP39	Neg ALS, AP	Pos ALS, AP, Micro, PSA
FPRERT	Neg AP	Pos AP, Micro
FRFQQY	Neg Micro, PSA	Pos Micro, PSA
FT8QNA	Neg AP	Pos AP, PSA, Micro
FVCNQP	Neg ALS, AP	Pos ALS, AP, PSA, Micro
FVX8J4	Neg AP	Pos AP
FYY3GK	Neg AP	Pos AP, Micro
G3RQ7Q	Neg ALS, AP, p30, Micro	Pos ALS, AP, p30, Micro
G3VX3T	Neg AP, Micro	Pos AP, Micro
G4JHKH	Neg PSA, Micro	Pos PSA, Micro
G4NXZ4	Neg ALS, AP	Pos ALS, AP
G6ZPRK	Neg ALS, AP	Pos ALS, AP, Micro
G7NFMX	Neg AP	Pos AP
G7V9W8	Neg AP	Pos AP
GA8EZT	Neg RSID Semen test	Pos RSID Semen test
GBP6KX	Neg ALS, AP, Micro	Pos ALS, AP, Micro
GC26HT	Neg AP, PSA	Pos AP, PSA
GE29XU	Neg ALS, AP, PSA	Pos ALS, AP, PSA, Micro
GFGGEA	Neg AP	Pos AP, PSA, Micro
GGGC7R	Neg AP	Pos AP, Micro
GKAE6L	Neg AP, Micro, ABACard PSA	Pos AP, Micro, ABACard PSA
GMEB7F	Neg AP, PSA	Pos PSA, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
GMX4XD	NT	Pos PSA
GQEL2F	Neg AP	Pos AP, p30, Micro
GTMN2T	Neg AP	Pos AP, PSA, Micro
GUDMFR	Neg AP, Micro, PSA	Pos AP, Micro
GWLZXT	Neg AP	Pos AP, PSA
GXWVPC	Neg AP, Micro	Pos AP, Micro
H34MCV	Neg AP	Pos AP, PSA
H4FHXM	Neg ALS, AP	Pos ALS, AP, Micro, PSA
HAT62R	Neg AP, Micro, PSA, ALS	Pos AP, Micro, PSA, ALS
HBD8ER	Neg ALS, AP, p30, Micro	Pos ALS, AP, p30, Micro
HBW6F7	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
HFYZKR	Neg AP	Pos AP
HHF2TT	Neg ALS, AP, Micro	Pos ALS, AP, Micro
HJTXWC	NT	Pos PSA
HJVCU7	Neg AP	Pos AP, Micro, PSA
HKPBUQ	Neg ALS, AP	Pos ALS, AP, Micro
HMA3TL	Neg AP	Pos AP, PSA, Micro
HNQA3A	Neg ALS, AP	Pos ALS, AP, Micro
HPHFAN	Neg RSID	Pos RSID
HQFPER	Neg AP, PSA	Pos SP, PSA
HQHEMU	Neg AP, ALS	Pos AP, Micro, ALS
HT2KTJ	Neg ALS, AP	Pos ALS, AP, Micro
HTJFNR	Neg PSA	Pos PSA
HUC3EA	Neg PSA, Micro	Pos PSA, Micro
HW4CAW	Neg ALS, AP, Micro	Pos ALS, AP, Micro
HWKFVB	Neg AP, Micro	Pos AP, Micro
J27R9J	Neg AP, ALS	Pos AP, ALS, Micro
J339KF	Neg PSA, Micro	Pos PSA, Micro
J3ELQG	Neg AP	Pos
J3WZ8M	Neg Micro	Pos Micro
J4D8EP	Neg AP, Micro, ALS	Pos AP, Micro, ALS, PSA
J4FN3N	Neg AP	Pos AP
J69QJC	Neg AP, PSA	Pos AP, PSA, Micro
J7N3AU	Neg Micro, PSA	Pos Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
J9CJJ3	Neg AP	Pos AP, PSA, Micro
J9PVFL	Neg ALS, AP	Pos ALS, AP, PSA, Micro
J9WZY6	Neg ALS, AP	Pos ALS, AP, Micro, PSA
JA4F7B	Neg AP	Pos AP, Micro, PSA
JAME6U	Neg Micro, PSA	Pos Micro, PSA
JBEE36	Neg AP	Pos AP, PSA, Micro
JBVF68	Neg ALS, AP	Pos ALS, AP, Micro
JBZQAQ	Neg AP	Pos AP, Micro, ABA p30
JDH4EL	Neg ALS, AP, RSID	Pos ALS, AP, RSID, Micro
JDNCRF	Neg AP	Pos AP, Micro
JEELN3	Neg AP	Pos AP
JFNKWQ	Neg AP, ALS	Pos AP, Micro, PSA, ALS
JGHFBL	Neg AP, Micro	Pos AP, Micro
JGJ4ZC	Neg AP	Pos AP, PSA, Micro
JHU86N	Neg AP, p30, Micro for Sperm	Pos AP, p30, Micro for Sperm
JJ7RAR	Neg AP	Pos AP
JJM4RW	Neg AP, ALS	Pos AP, PSA, Micro, ALS
JMPWRM	Neg ALS, AP	Pos ALS, AP, PSA, Micro
JNRDFL	Neg AP, PSA	Pos AP, PSA, Micro
JPXUFC	Neg ALS, AP	Pos ALS, AP, PSA, Micro
JR688C	Neg AP, Micro	Pos AP, Micro
JVNG2A	Neg AP	Pos AP, Micro, PSA
JXB238	Neg ALS, AP	Pos ALS, AP, Micro
JY37AK	Neg RSID-Semen	Pos RSID-Semen
JYLD4	Neg ALS, AP	Pos ALS, AP, Micro, PSA
JZETUK	Neg ALS, AP	Pos ALS, AP, PSA, Micro
JZYD2D	Neg AP	Pos AP, Micro, PSA
K26EZG	Neg ALS, AP	Pos ALS, AP, Micro, PSA
K4V8ML	Neg AP, PSA, Micro	Pos AP, PSA, Micro
K63VCB	Neg PSA	Pos PSA, Micro
K689Z8	Neg AP	Pos AP, PSA, Micro
K8B2ZX	Neg AP	Pos AP, Micro
KA3ZEV	Neg AP	Pos AP, Micro
KBQMHJ	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
KFLC6H	Neg AP, ALS	Pos AP, Micro, ALS
KGGTHE	Neg AP	Pos AP, Micro
KJTGAR	Neg ALS, AP	Pos ALS, AP, Micro
KKWGN6	Neg AP, p30, and Micro	Pos AP, p30, and Micro
KRWR4A	NT	Pos ALS, PSA
KRY624	Neg AP	Pos AP, PSA, Micro
KTFFZW	Neg AP, PSA	Pos AP, PSA, Micro
KUL2DB	Neg AP	Pos AP, Micro
KV6LGM	Neg AP	Pos AP
KVYL7L	Neg ALS, AP	Pos ALS, AP, Micro, PSA
KWAMRK	Neg AP, ALS	Pos AP, ALS, Micro, PSA
KX67V8	Neg PSA, Micro	Pos PSA, Micro
KYGRJM	Neg AP, Micro, ALS	Pos AP, Micro, ALS
KYHQNG	Neg AP, Micro, p30	Pos AP, Micro, p30
KYL9VT	Neg AP	Pos AP, Micro
KZCJZ	Neg ALS, AP	Pos ALS, AP
L2JW22	Neg ALS, AP	Pos ALS, AP, Micro, PSA
L3H2KG	Neg ALS, AP	Pos ALS, AP, Micro
L4VTCX	Neg AP	Pos AP
L86399	NT	Pos PSA
L8B7BZ	Neg AP	Pos AP, PSA, Micro
L8QKKV	Neg AP	Pos AP, Micro
L8QU4E	Neg ALS, AP	Pos ALS, AP, Micro, PSA
LERWGR	Neg Micro, PSA	Pos Micro, PSA
LF6B62	Neg AP	Pos AP, Micro
LFJXE3	Neg ALS, AP	Pos ALS, AP, Micro, PSA
LFY93A	Neg AP	Pos AP, Micro, PSA
LGH3WH	Neg ALS, ACP	Pos ALS, ACP, Micro
LHR6K3	Neg AP	Pos AP, Micro
LNXXN9	Neg AP Test, Micro exam	Pos AP Test, Micro Exam
LP67W6	Neg ALS, AP	Pos ALS, AP, Micro
LQ3873	Neg AP	Pos AP
LQLD7T	Neg ALS, STMP, Micro	Pos ALS, STMP, Micro
LXKK62	Neg ALS, AP	Pos ALS, AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
LZ7FG9	NT	Pos PSA
M3DYCN	Neg Micro, p30	Pos Micro, p30
M46ZAY	Neg ALS, AP	Pos ALS, AP, Micro, PSA
M6WEFN	Neg AP, Micro	Pos AP, Micro, PSA
M7BHAF	Neg AP, ALS, Micro	Pos AP, ALS, Micro
M86DNC	Neg PSA, Micro	Pos PSA, Micro
MAX634	Neg AP, Micro, PSA	Pos AP, Micro, PSA
MB24UM	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
MC4KHL	Neg AP, PSA, Micro	Pos AP, PSA, Micro
ME436F	Neg ALS, AP	Pos ALS, AP, Micro
ME8KA7	Neg AP	Pos AP, Micro, PSA
MGDXYK	Neg ALS, AP, PSA	Pos ALS, AP, PSA, Micro
MGQGVB	Neg PSA, Micro	Pos PSA, Micro
MHLAHG	Neg ABACard p30	Pos ABACard p30
MJ2AYQ	Neg PSA	Pos PSA
MKCKP	Neg AP, PSA, Micro	Pos AP, PSA, Micro
MKQWX8	NT	Pos ALS, PSA
MKUBV2	Neg AP	Pos AP, PSA, Micro
MLG4FH	Neg ALS, AP	Pos ALS, AP, PSA, Micro
MM2GJN	Neg BCIP	Pos BCIP, Micro, ALS
MME92J	Neg AP	Pos AP, Micro
MMH MV8	Neg AP	Pos AP, Micro, PSA
MNCMGP	Neg AP, PSA, Micro	Pos AP, PSA, Micro
MP4NDZ	Neg ALS, AP	Pos ALS, AP, Micro, PSA
MPLJXM	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
MQ2RFN	Neg AP	Pos AP, Micro
MQ2UWF	Neg AP, Micro	Pos AP, Micro
MQWB4H	Neg AP	Pos AP, PSA, Micro
MT4QBN	Neg AP, Micro, PSA	Pos AP, Micro
MTKZ4P	Neg AP, PSA, Micro	Pos AP, PSA, Micro
MTLVTM	Neg ALS, AP, Micro,	Pos ALS, AP, PSA, Micro
MW428N	Neg AP, Micro, PSA	Pos AP, Micro
MWJGGJ	Neg AP, Micro	Pos AP, Micro
MWMV6	Neg ALS, AP	Pos ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
MYPJP9	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
MZPMCH	Neg AP, PSA, Micro	Pos AP, PSA, Micro
N37LTK	Neg AP, PSA, ALS, Micro	Pos AP, PSA, ALS, Micro
N3NDYN	Neg ALS, AP	Pos ALS, AP, Micro
N6DLAK	Neg ALS, AP, p30, Micro	Pos ALS, AP, p30, Micro
N6ENMV	Neg AP	Pos AP, Seratec, Micro
N6U2Z8	Neg ALS, AP, PSA	Pos ALS, AP, PSA, Micro
N8NEDY	Neg ALS, AP	Pos ALS, AP, Micro, PSA
N9AAN7	NT	Pos PSA
N9ZAYR	Neg ALS, AP, Micro	Pos ALS, AP, Micro
NDMAMJ	NT	Pos ALS, AP, PSA, Micro
NE48FH	Neg AP	Pos AP, Micro
NEWBQ6	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
NFUNBC	Neg ALS, AP	Pos ALS, AP, Micro
NG6EFL	Neg AP	Pos AP
NHXAW4	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
NNK7PK	Neg ALS; AP	Pos ALS; AP; Micro; PSA
NPFPT8	Neg AP	Pos AP, Micro, PSA
NQXJUG	Neg ALS, AP	Pos ALS, AP, Micro, PSA
NR3D3L	Neg AP, PSA, Micro	Pos AP, PSA, Micro
NUUF6U	Neg AP	Pos AP
NWYWAQ	Neg AP	Pos AP, PSA
NYM8PJ	Neg ALS, AP	Pos ALS, AP, Micro, PSA
NZLHFK	Neg AP, ALS	Pos AP, ALS, Micro
P6RGHX	Neg ALS, AP	Pos ALS, AP, PSA, Micro
PBDHE3	Neg PSA, Micro	Pos PSA, Micro
PBVEYP	Neg AP	Pos AP, PSA, Micro
PDGB7F	Neg ALS, AP	Pos ALS, AP, Micro, PSA
PECUB3	Neg PSA, Micro	Pos PSA, Micro
PG4YVM	Neg AP, Micro	Pos AP, Micro
PG6M7L	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
PJCZVZ	Neg AP	Pos AP, PSA, Micro
PK42TB	Neg AP, ALS	Pos AP, PSA, ALS, Micro
PLEUWP	Neg ALS, AP, Micro	Pos ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
PP37VV	Neg AP	Pos AP
PQD9JF	Neg AP, PSA	Pos AP, PSA, Micro
PR3L2X	Neg ALS, AP	Pos ALS, AP, Micro, PSA
PTDFR7	NT	Pos Seratec PSA
PTUQ8Q	Neg AP	Pos AP, Micro
PUNGD6	NT	Pos ALS, PSA
PV227E	Neg ALS, AP	Pos ALS, AP, PSA, Micro
PVNDYL	Neg AP	Pos AP, Micro
PWGEWW	Neg ALS, AP	Pos ALS, AP, PSA, Micro
PX92MF	Neg AP	Pos AP, Micro
PYJ9JF	Neg AP	Pos AP, Micro
PZFN9K	Neg AP	Pos AP, Micro
Q3M8QT	Neg AP	Pos AP, Micro
Q6P2QJ	Neg ALS, AP	Pos ALS, AP, Micro
Q8A46H	Neg AP, PSA, ALS, Micro	Pos AP, PSA, ALS, Micro
Q9AVLX	Neg AP	Pos AP
QAXKC6	NT	Pos PSA
QB8PRE	Neg AP, Micro	Pos AP, Micro
QC6UU2	Neg AP	Pos AP, PSA, Micro
QKE8PC	Neg AP, Micro	Pos AP, Micro
QMHCRY	Neg AP, PSA, Micro	Pos AP, PSA, Micro
QNFGNK	Neg AP	Pos AP, Micro, PSA
QNWKAY	Neg ALS, AP	Pos ALS, AP, Micro
QPPD6H	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
QQRUTG	Neg AP	Pos AP
QR6LMJ	Neg AP	Pos AP, Micro
QTFNAH	Neg ALS, AP	Pos ALS, AP, Micro
QTWLKU	Neg AP	Pos AP
QV38BF	Neg AP	Pos AP
QXQJAL	Neg AP	Pos AP, Micro, PSA
R22XBW	Neg AP	Pos AP, PSA, Micro
R2G9Y4	NT	Pos Seratec
R2XKC3	NT	Pos PSA
R6LR6C	Neg ALS, AP	Pos ALS, AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
R6LWFE	Neg ALS, AP, PSA, Micro	Pos AP, PSA
R7C3UJ	Neg AP, Micro, PSA	Pos AP, Micro
R8M6H4	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro
R8R9KV	Neg AP, Seratec	Pos AP, Seratec, Micro
RACF9W	Neg AP, Micro, p30	Pos AP, Micro, p30
RCY4X4	Neg AP	Pos AP, Micro, PSA
RDEDWV	Neg AP	Pos AP
RELR8H	Neg AP, PSA	Pos AP, PSA, Micro
RGECL3	NT	Pos AP, Micro
RJ2VKF	Neg AP, Micro	Pos AP, Micro
RJ6LNG	Neg ALS, AP	Pos ALS, AP, Micro
RKGCLZ	Neg ALS, AP	Pos ALS, AP, PSA, Micro
RLPN2F	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
RMD6A4	Neg ALS, AP, PSA	Pos ALS, AP, PSA
RQ3FFN	Neg AP	Pos AP, Micro
RULBHF	Neg ALS, AP	Pos ALS, AP, PSA, Micro
RVF2NV	Neg AP	Pos AP
RWN8V4	Neg AP, Micro	Pos AP, Micro
RYVM7G	Neg AP, PSA, Micro	Pos AP, PSA, Micro
RZAXDL	Neg AP	Pos AP
RZMHTP	Neg ALS, AP	Pos ALS, AP, PSA, Micro
RZNFYE	Neg ALS, AP	Pos ALS, AP, PSA, Micro
T4ZZ8C	Neg ALS, AP	Pos ALS, AP, PSA, Micro
T6UJBX	Neg ALS, AP, Micro	Pos ALS, AP, Micro
T6YUFH	Neg ALS, AP, Micro	Pos ALS, AP, Micro
T7BPN3	Neg ALS, AP	Pos ALS, AP, Micro, PSA
T8MFX8	Neg p30	Pos p30, Micro
TABN89	Neg ALS, AP	Pos ALS, AP, PSA, Micro
TAMTCJ	Neg AP	Pos AP, PSA
TB4KUG	Neg ALS, AP, Mirco	Pos ALS, AP, p30, Micro
TEA2AZ	Neg AP	Pos AP, PSA, Micro
TFHDQ2	Neg AP	Pos AP, PSA, Micro
TFZEFP	Neg AP, Micro	Pos ALS, AP, Micro
TGAHYE	Neg AP	Pos AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
THPQEU	Neg AP	Pos AP, Micro
TJW3ZC	Neg Phosphatesmo	Pos Phosphatesmo
TKV9DQ	Neg AP	Pos AP
TP4QHK	Neg AP, PSA, Micro	Pos AP, PSA, Micro
TQVM7E	Neg AP, Micro, p30	Pos AP, Micro, p30
TQWGMY	Neg AP, Micro, PSA	Pos AP, Micro, PSA
TR7BJY	Neg AP	Pos AP, Micro
TRBRWP	Neg AP	Pos AP, Micro
TRQ3JB	Neg AP	Pos AP, Micro, PSA
TRUQUN	Neg AP, PSA	Pos AP, PSA, Micro
TT32DK	Neg AP	Pos AP, PSA, Micro
TU23LX	Neg ALS, AP	Pos ALS, AP, Micro
TUKWBE	Neg AP	Pos AP
TUWRJY	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
TW6PLG	Neg AP, Micro	Pos AP, Micro
TXGJ7M	Neg ALS, AP	Pos ALS, AP, Micro, RSID
TXW4DD	Neg RSID	Pos RSID
TXYFPA	Neg AP, Micro	Pos AP, Micro
TXZA8U	Neg ALS, AP	Pos ALS, AP, Micro, PSA
TY6XBY	Neg AP, PSA, Micro	Pos AP, PSA, Micro
TYC4TM	Neg AP	Pos AP, Micro
U3MN3F	Neg ALS, AP	Pos ALS, AP, PSA, Micro
U3P4PD	Neg AP	Pos AP, PSA, Micro
U4JUVT	Neg AP	Pos AP
U7PG6Q	Neg ALS, AP	Pos ALS, AP
U9RA7C	Neg AP	Pos AP
UAQFRC	Neg AP	Pos AP, Micro
UEZJQR	Neg ALS, AP	Pos ALS, AP, p30, Micro
UEZTAB	Neg AP, Micro	Pos AP, Micro
UHMBNF	Neg AP	Pos AP, Micro
UMY4WT	Neg AP	Pos AP, PSA, Micro
UN39YF	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro, PSA
UQEPEE	Neg AP, Micro	Pos AP, Micro
UR9LPU	Neg ALS, AP	Pos ALS, AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
UV8V2G	Neg Micro, PSA	Pos Micro, PSA
UVPUDU	Neg ALS, AP	Pos ALS, AP, PSA, Micro
UWMZV9	Neg AP, Micro	Pos AP, Micro
UXUJBW	Neg ALS, AP	Pos ALS, AP, Micro
UYN9XX	Neg AP	Pos AP, Micro, PSA
UZ3KNF	Neg AP, Micro	Pos AP, Micro
V49UVB	Neg AP, Micro	Pos AP, Micro
V4D7J8	Neg ALS, AP	Pos ALS, AP, Micro
V6QNWK	Neg ALS, AP	Pos ALS, AP, PSA, Micro
V73HHC	Neg ALS, AP	Pos ALS, AP, Micro, PSA
V7KE3Y	NT	Pos PSA
VAKPWD	Neg RSID	Pos RSID
VC6JQT	Neg AP, PSA, Micro	Pos AP, PSA, Micro
VCAVPB	Neg AP	Pos AP
VDNBWX	Neg ALS, AP	Pos ALS, AP, Micro
VECR4K	Neg AP, PSA	Pos AP, PSA
VGJ8DB	Neg AP, Micro, p30	Pos AP, Micro, p30
VHZ6YA	Neg ALS	Pos AP, PSA, Micro, ALS
VJ7QE9	Neg AP	Pos AP, PSA, Micro
VJ8JCG	Neg AP	Pos AP, PSA, Micro
VJB7QA	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro PSA
VLDYRZ	Neg AP, Micro	Pos AP, Micro
VMACC8	Neg ALS, AP	Pos ALS, AP, Micro
VMLFGH	Neg AP	Pos AP, Micro
VMQT6E	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
VN4BEC	Neg ALS, AP, p30	Pos ALS, AP, p30, Micro
VR4M9Q	Neg AP	Pos AP, Micro
VR83MD	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
VRJNBT	Neg AP	Pos AP, PSA, Micro
VRNZYP	Neg AP	Pos AP
VU7GVA	Neg AP	Pos AP
VX8KPH	Neg AP	Pos AP, PSA, Micro
VYYGDC	Neg Ap	Pos AP, Micro, p30
VZUWQ9	Neg AP, Micro, PSA	Pos AP, Micro, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
W6EM3U	Neg AP	Pos AP, Micro
W94T4E	Neg AP, PSA, Micro	Pos AP, PSA, Micro
W97J7G	Neg AP, PSA	Pos AP, PSA
WAEYXU	Neg AP	Pos AP, Micro
WCHHAA	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro
WCLV3W	Neg AP	Pos AP, PSA, Micro
WDWRHA	Neg AP, RSID	Pos AP, RSID
WGDGGD	Neg AP, Seratec PSA, Micro	Pos AP, Seratec PSA, Micro
WJ69TJ	Neg ALS, AP	Pos ALS, AP, PSA, Micro
WJN4QD	Neg AP, Micro, ABA p30	Pos AP, Micro, ABA p30
WKCN3B	Neg AP, ALS	Pos AP, PSA, Micro, ALS
WKYYYX	NT	Pos PSA
WMNG6P	NT	Pos AP, Micro
WNZ3T7	Neg AP, Micro	Pos AP, Micro
WQQA7F	Neg AP, PSA, Micro	Pos AP, PSA, Micro
WT7VLF	Neg AP	Pos AP, PSA
WV7KJJ	Neg AP	Pos AP, Microscopic
WVXRAA	Neg AP, Micro	Pos AP, Micro
WWDZQP	Neg AP	Pos AP
WWRFWC	Neg AP, ALS	Pos AP, ALS, Micro, PSA
WZAMBD	Neg PSA	Pos PSA
WZCFWR	Neg AP	Pos AP, Micro, PSA
WZN7UB	Neg AP, Micro	Pos AP, Micro
WZTL8B	Neg AP	Pos Ap, Micro
X3VPPP	Neg AP	Pos AP
X83J4T	Neg Micro, PSA	Pos Micro, PSA
X8AKCE	Neg ALS, AP	Pos ALS, AP, PSA, Micro
X9GRLU	Neg ALS, AP, Micro	Pos ALS, AP, Micro
XA9WU8	Neg RSID	Pos RSID
XB64LZ	Neg AP, Micro, ALS	Pos AP, Micro, ALS
XBAG9W	Neg PSA, Micro	Pos PSA, Micro
XDLACB	Neg ALS, PSA, Microscopy	Pos ALS, PSA, Microscopy
XGWB49	Neg ALS, AP	Pos ALS, AP, PSA, Micro
XMZGJB	Neg ALS, AP, PSA, Micro	Pos ALS, AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
XP739W	Neg AP, Micro	Pos AP, Micro
XRUE93	Neg AP	Pos AP, Micro
XT69UU	Neg AP	Pos AP, PSA, Micro
XTP2K7	Neg ALS, AP, Micro, PSA	Pos ALS, AP, Micro
XVW89T	Neg AP, Micro	Pos AP, Micro
XW986M	Neg AP, ALS	Pos ALS, AP
XWCKYB	Neg ALS/AP	Pos ALS/AP/Micro
XXZUV6	Neg AP	Pos AP, p30, Micro
Y2YLM3	Neg ALS, AP	Pos ALS, AP, PSA, Micro
Y3AKKW	Neg AP	Pos AP, Micro, PSA
Y3RKP8	Neg AP	Pos AP
Y6W9UB	Neg AP	Pos AP
YATQG4	Neg ALS, AP	Pos ALS, AP, Micro
YCWQB9	Neg PSA	Pos PSA
YENHPZ	Neg AP	Pos AP, Micro
YFVXW7	NT	Pos Micro
YGQGZT	Neg PSA, Micro	Pos PSA, Micro
YJEW8F	Neg AP	Pos AP, PSA
YJJC2	Neg AP, p30	Pos AP, p30, Micro
YJYV8Y	Neg AP	Pos AP, p30, Micro
YPLQ2B	Neg AP, Micro	Pos AP, Micro
YQDVAP	Neg Micro, AP	Pos Micro, AP
YQZYJC	Neg AP(inc), Micro(-), PSA(-)	Pos AP, Micro, PSA
YR96T7	Neg AP, Micro	Pos AP, Micro
YRRYGM	Neg AP, Seratec	Pos AP, Seratec, Micro
YV8FN7	Neg AP and Micro	Pos AP and Micro
YWPPN	Neg AP	Pos AP, Micro, PSA
YXBB8A	Neg AP, Micro	Pos AP, Micro
YXLRVC	Neg AP	Pos AP, Micro
YXUZP4	Neg AP, PSA, Micro	Pos AP, PSA, Micro
YYU9LU	Neg AP	Pos AP, Micro, PSA
YZL9KQ	Neg ALS, AP	Pos ALS, AP, Micro
Z2CK7H	Neg AP	Pos AP, PCM
Z2CPGK	Neg ALS, AP	Pos ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
Z4Z2FQ	Neg AP	Pos AP, PSA, Micro
Z62W6N	Neg AP	Pos AP
Z78JEL	NT	Pos AP, Micro
ZAQFZQ	Neg ALS, AP	Pos ALS, AP, Micro
ZDPK3B	Neg AP, p30, Micro	Pos AP, p30, Micro
ZEXWL9	Neg AP, Micro, PSA	Pos AP, Micro
ZEYUQ3	Neg AP, Micro, ALS	Pos AP, Micro, ALS
ZFHLZM	Neg AP	Pos AP, Micro
ZGLJ33	Neg ALS, AP	Pos ALS, AP, Micro
ZHCQ26	Neg PSA, Micro	Pos PSA, Micro
ZHHYEY	Neg AP	Pos AP, PSA
ZMA7X8	Neg ALS, AP	Pos ALS, AP, Micro, PSA
ZQRDBA	Neg PSA	Pos PSA
ZR3C84	Neg AP	Pos AP, PSA, Micro
ZR466C	Neg AP	Pos AP, PSA, Micro
ZR8RK4	Neg ALS, AP	Pos ALS, AP, Micro, PSA
ZRCXEL	Neg AP	Pos AP, Micro
ZUBHT6	Neg ALS, AP	Pos ALS, AP, Micro, PSA
ZUC76N	Neg AP, ALS, Micro, p30	Pos AP, ALS, Micro, p30
ZUVY98	Neg ALS, AP	Pos ALS, AP, Micro, p30
ZZKPJA	Neg AP, PSA	Pos AP, PSA

Table 1b: Serology Screening Response Summary - Semen			Participants: 729
Table above excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
Summary below includes all participants who performed any screening including those excluded from the table above.			
	Item 3	Item 4	
Positive	1	698	
Negative	666	1	
Inconclusive	1	0	
Not Tested (NT)	59	29	
Not Reported	2	1	

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
23Q8H6	Neg Phadebas	Neg Phadebas
26U329	Neg Amylase	Neg Amylase
272FCU	Neg Phadebas	Neg Phadebas
27HMJX	Neg RSID	Neg RSID
29V7VF	Neg Phadebas	Neg Phadebas
2QUDWV	Neg ALS, RSID	Neg ALS, RSID
2VJZF8	Neg Amylase	Neg Amylase
2XWDK4	Neg Phadebas tablet	Neg Phadebas tablet
2ZCYZ4	Neg ALS, RSID	Neg ALS, RSID
3AWPY2	Neg Phadebas	Neg Phadebas
3DZKH6	Neg Seratec-Amylase, ALS	Neg Seratec-Amylase, ALS
3LQ7N3	Inc SALIgAE	Neg SALIgAE
3Q8BKC	Inc ALS and SALIgAE	Inc ALS and SALIgAE
3VGN3B	NT	Neg Phadebas
3X8LXW	Neg RSID	NT
3XQHE3	Neg Phadebas	Neg Phadebas
4BN6N4	Neg Seratec Amylase	Neg Seratec Amylase
4EMJA8	Neg Phadebas	
4EQ7PZ	Neg Phadebas	Neg Phadebas
4EQYPU	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
4FY6XN	Neg ALS, RSID	Neg ALS, RSID
4PQHE2	Neg Phadebas Tablet	NT
4TEUD7	Neg Phadebas	Neg Phadebas
4UZRBB	Neg ALS, Phadebas	Neg ALS, Phadebas
4W2ZDZ	Neg RSID	Neg RSID
4W78PU	Neg RSID	NT
4Z7JLU	Neg RSID	Neg RSID
6E7KYV	Pos RSID-Saliva	NT
6GFFTZ	Neg Phadebas Tablets	NT
6JFXGU	Neg RSID	Neg RSID
6P8Y89	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
6QH3CK	Neg Phadebas	Neg Phadebas
6YNY44	Neg SALIgAE	Neg SALIgAE
6YWKD8	Neg Amylase	Neg Amylase
78GJVN	Neg Radial Diffusion	Neg Radial Diffusion
7AT6WB	Neg Phadebas	Neg Phadebas
7EM7W4	Neg SALIgAE	Neg SALIgAE
7GRLGN	Neg Radial Diffusion	Neg Radial Diffusion
7LMFEP	Neg Phadebas	Neg Phadebas, RSID Saliva
7Z2RT6	Neg SALIgAE	Neg SALIgAE
82NPPA	NT	Neg SALIgAE
832C8N	NT	Neg RSID
88KCH3	Neg Phadebas	Neg Phadebas
8FX7TY	Neg Phadebas	Neg Phadebas
8PDEZY	Neg SALIgAE	Neg SALIgAE
8QN9LQ	Neg RSID	Neg RSID
8TF8ZN	Neg RSID-Saliva	Neg RSID-Saliva
93TV4L	Neg Phadebas	Neg Phadebas
996K74	NT	Neg Phadebas
9988KW	Neg Phadebas	Neg Phadebas
9D3AGA	Neg Phadebas	Neg Phadebas
9GGVYV	Neg Phadebas	Neg Phadebas
9LFYG3	Neg SALIgAE	Neg SALIgAE
A2NCC7	Neg Amylase Diffusion	Neg Amylase Diffusion
A6HPDV	Neg RSID	Neg RSID
A7EV6N	Neg ALS, Phadebas	Neg ALS, Phadebas
ABL92Z	Neg Seratec Amylase Card	Neg Seratec Amylase Card
AHKZ2H	Neg RSID Saliva	Neg RSID Saliva
B42MBU	Neg Phadebas	Neg Phadebas
B6KFGX	Neg Amylase Diffusion	Neg Amylase Diffusion
B6XZW2	Neg Phad	Neg Phad
B8LKXY	Neg SALIgAE, RSID	Neg SALIgAE, RSID
BK8RY7	Neg ALS, SALIgAE	Neg ALS, SALIgAE
BQ2TB7	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
C34R8H	Neg radial Diffusion	Neg radial Diffusion
CBFVCV	NT	Neg Micro
CCBCNR	Neg Phadebas	NT
CDM7BK	Neg Phadebas	Neg Phadebas, RSID
CMVRLT	Neg Phadebas	Neg Phadebas
CPYAWH	Neg Phadebas	Neg Phadebas
CTWZW2	Neg Phadebas	NT
CZHT92	Neg RSID	Neg RSID
D6C6PJ	Neg RSID-Saliva	Neg RSID-Saliva
D9AUMH	Neg ALS, Phadebas	Neg ALS, Phadebas
DFPD6W	Neg SALIgAE	Neg SALIgAE
DHC73K	NT	Neg RSID
DPVAAM	Neg RSID	Neg RSID
DX6M6W	Neg Seratec Amylase	Neg Seratec Amylase
DXCV7X	Neg SALIgAE	Neg SALIgAE
EAKX6Z	Neg Amylase Diffusion	Neg Amylase Diffusion
EBPHY3	Neg SALIgAE	Neg SALIgAE
ECRF4W	Neg Amylase	Neg Amylase
EPZY2Q	Neg Phadebas	Neg Phadebas
FAD7QP	Neg Phadebas	Neg Phadebas
FPRERT	NT	Neg Phadebas
GA8EZT	Neg RSID Saliva test	Neg RSID Saliva test
GBP6KX	Neg ALS, Phadebas	Neg ALS, Phadebas
GC26HT	Neg Phadebas	Neg Phadebas
GGGC7R	NT	Neg Phadebas
GKAE6L	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
H34MCV	Neg RSID-Saliva	Neg RSID-Saliva
HMA3TL	Neg Phadebas	Neg Phadebas
HPHFAN	Neg RSID	Neg RSID
HQFPER	Neg Phadebas	Neg Phadebas
HW4CAW	Neg ALS, Phadebas	Neg ALS, Phadebas
J339KF	Neg RSID	NT
JBZQAQ	NT	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
JDH4EL	Neg ALS, RSID	Neg ALS, RSID
JDNCRF	Neg RSID	Neg RSID
JGJ4ZC	NT	Neg RSID
JY37AK	Neg RSID-Saliva	Neg RSID-Saliva
JZYD2D	Neg Phadebas	Neg Phadebas, RSID
K4V8ML	Neg Phadebas	Neg Phadebas
K63VCB	Neg RSID	NT
K8B2ZX	Neg Phadebas	Neg Phadebas
KBQMHJ	Neg Phadebas	Neg Phadebas
KKWGN6	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
KTFFZW	Neg Phadebas	Neg Phadebas
KUL2DB	Neg Phadebas	Neg Phadebas
KYHQNG	Neg Amylase radial Diffusion	Neg Amylase radial Diffusion
LFY93A	Neg Phadebas	NT
LQLD7T	Neg Amylase Diffusion	Neg Amylase Diffusion
M7BHAF	Neg RSID	Neg RSID
MC4KHL	Neg Amylase	Neg Amylase
MGDXYK	NT	Neg Phadebas Tablet
MGQGVV	Neg RSID-Saliva	Neg RSID-Saliva
MKCCKP	Neg Phadebas	Neg Phadebas
MNCMGP	Neg Phadebas	Neg Phadebas
MQ2UWF	Neg RSID	Neg RSID
MTKZ4P	Neg SALlgAE	Neg SALlgAE
MYPJP9	Neg Phadebas	Neg Phadebas
MZPMCH	Neg Phadebas	Neg Phadebas
N9ZAYR	Neg ALS, Phadebas	Neg ALS, Phadebas
PK42TB	Neg RSID	Neg RSID
PLEUWP	Neg Phadebas	Neg Phadebas
PQD9JF	Neg Phadebas tablet	Neg Phadebas tablet
PZFN9K	Neg Phadebas	Neg Phadebas
Q3M8QT	Neg Phadebas	Neg Phadebas
QR6LMJ	Neg Phadebas	Neg Phadebas
R2G9Y4	NT	Neg Seratec

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
R8M6H4	Neg Phadebas	Neg Phadebas
RACF9W	Neg Amylase	Neg Amylase
RCY4X4	Neg RSID	Neg Phadebas
RULBHF	Neg Phadebas tablet	NT
RWN8V4	Neg Phadebas	Neg Phadebas
RZMHTP	Neg SALIgAE	NT
T6UJBX	Neg Phadebas	Neg Phadebas
T7BPN3	NT	Neg Phadebas
T8MFX8	Neg RSID	Neg RSID
TAMTCJ	Neg RSID	Neg RSID
TJW3ZC	Neg Phadebas	Neg Phadebas
TP4QHK	Neg Phad	Neg Phad
TQVM7E	Neg Phadebas	Neg Phadebas
TQWGMY	Neg Phadebas	Neg Phadebas
TRBRWP	Neg Phadebas	Neg Phadebas
TRUQUN	Neg Phadebas	Neg Phadebas
TT32DK	Neg Phadebas	Neg Phadebas
TUWRJY	Neg ALS, Phadebas	Neg ALS, Phadebas
TXW4DD	Neg RSID	Neg RSID
TXYFPA	Neg RSID	Neg RSID
UWMZV9	Neg RSID	Neg RSID
V6QNWK	Neg ALS, SALIgAE	Neg SALIgAE
VAKPWD	Neg SALIgAE	Neg SALIgAE
VECR4K	Neg RSID Saliva	Neg RSID Saliva
VGJ8DB	Neg Phadebas	Neg Phadebas
VHZ6YA	Neg Phadebas	NT
VJ7QE9	Neg Phadebas	Neg Phadebas
VJ8JCG	Neg Phadebas	NT
VJB7QA	Neg Phadebas	Neg Phadebas
VN4BEC	Neg Phadebas	NT
VX8KPH	Neg Phadebas	Neg Phadebas
VZUWQ9	Neg Phadebas	Neg Phadebas
W97J7G	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
WDWRHA	Neg RSID	Neg RSID
WGDGGD	Neg Seratec alpha-Amylase, Micro	Neg Seratec alpha-Amylase, Micro
WKCN3B	Neg Seratec Amylase Card	Neg Seratec Amylase Card
WQQA7F	Neg Phadebas	Neg Phadebas
WT7VLF	Neg RSID	Neg RSID
WZAMBD	Neg SALIgAE	Neg SALIgAE
X9GRLU	Neg Phadebas	Neg Phadebas
XA9WU8	Neg RSID	Neg RSID
XB64LZ	Neg RSID, ALS	Neg RSID, ALS
XTP2K7	Neg Phadebas	Neg Phadebas
XXZUV6	Neg Phadebas	Neg Phadebas
Y3AKKW	Neg RSID	Neg Phadebas
YCWQB9	Neg RSID Saliva	Neg RSID Saliva
YENHPZ	NT	Neg RSID
YJCM2	Neg RSID-Saliva	Neg RSID-Saliva
YJYV8Y	Neg RSID Saliva	NT
YQZYJC	Neg Phadebas	Neg Phadebas
YXUZP4	Neg RSID	Neg RSID
Z2CK7H	Neg RSID	Neg RSID
ZDPK3B	Neg SALIgAE	Neg SALIgAE
ZEYUQ3	Neg RSID	Neg RSID
ZHCQ26	Neg RSID	Neg RSID
ZHHYFY	NT	Neg RSID
ZQRDBA	Neg SALIgAE	Neg SALIgAE
ZR3C84	Neg Phadebas	Neg Phadebas
ZR466C	NT	Neg Phadebas
ZUC76N	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
ZZKPJA	Neg Phadebas	Neg Phadebas

Table 1c: Serology Screening Response Summary - SalivaParticipants: **729**

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

Summary below includes all participants who performed any screening including those excluded from the table above.

	Item 3	Item 4
Positive	1	0
Negative	172	173
Inconclusive	2	1
Not Tested (NT)	532	532
Not Reported	22	23

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
272FCU	Pos HemaTrace	Pos HemaTrace
2NL8BU	Pos RT-qPCR	Pos RT-qPCR
2QUDWV	Pos PowerQuant	Pos PowerQuant
2ZCYZ4	Pos Quantifiler Trio	Pos Quantifiler Trio
363NZ9	Pos RSID	Pos RSID
38A49Y	Pos HemaTrace	Pos HemaTrace
3AWPY2	Pos HemDirect	Pos HemDirect
3GUJQ9	Pos Quant Duo	Pos Quant Duo
3LQ7N3	Pos HemaTrace	Pos HemaTrace
3PPCAZ	Pos HemaTrace	Pos HemaTrace
3Q8BKC	Pos HemaTrace	Pos HemaTrace
3VGN3B	Pos qPCR	Pos qPCR
43AE6X	Pos HemaTrace	Pos HemaTrace
47WTVT	Pos PowerQuant	Pos PowerQuant
4DCCD7	Pos HemaTrace	Pos HemaTrace
4DCGN9	Pos HemaTrace	Pos HemaTrace
4EMJA8	Pos qPCR	Pos qPCR
4EQ7PZ	Pos HemDirect	Pos HemDirect
4FY6XN	Pos FOB, PMB	Pos RSID, PSA, FOB, PMB
4UZPRY	Pos HemaTrace	Pos HemaTrace
4UZRBB	Pos Precipitin	Pos Precipitin
6E7KYV	Pos HT	Pos HT
6JFXGU	Pos PowerQuant	Pos PowerQuant
6V7RQ3	Pos HemaTrace	Pos HemaTrace
6VUVLX	Pos HemaTrace	Pos HemaTrace
76ELKV	Pos HemaTrace	Pos HemaTrace
7A7T44	Pos HemaTrace	Pos HemaTrace
7GRLGN	Pos HemaTrace	Pos HemaTrace
7LMFEP	Pos HemaTrace, PowerQuant	Pos PowerQuant
7WWZP7	Pos Quantifiler Duo	Pos Quantifiler Duo
7Z2RT6	Pos HemaTrace	Pos HemaTrace
82NPPA	Pos RSID (HemaTrace)	Pos RSID (HemaTrace)
832C8N	Pos HemaTrace	NT
87X389	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
88KCH3	Pos PowerQuant	Pos PowerQuant
8CW6QF	Pos HemaTrace	Pos HemaTrace
8LW22W	Pos HemaTrace	Pos HemaTrace
8PDEZY	Pos HemaTrace	Pos HemaTrace
8PTTAT	Pos HemaTrace	Pos HemaTrace
8Q4KE4	Pos Quant Duo	Pos Quant Duo
8TF8ZN	Pos HemaTrace, PowerQuant	Pos PowerQuant
996K74	Pos qPCR	Pos qPCR
9988KW	Pos HemDirect	Pos HemDirect
9GGVYV	Pos HemDirect	Pos HemDirect
9LFYG3	Pos HemaTrace	Pos HemaTrace
9WDYU8	Pos	Pos
A2NCC7	Pos HemDirect	NT
A4QGET	Pos HemaTrace	Pos HemaTrace
A8QLGD	Pos HemaTrace	Pos HemaTrace
A943MY	Pos RSID	Pos RSID
ABL92Z	Pos Seratec HemDirect Card	Pos Seratec HemDirect Card
AGCWHR	Pos HemaTrace	Pos HemaTrace
AHKZ2H	Pos Seratec PMB	Pos Seratec PMB
AHP7VY	Pos HEM	Pos HEM
AJZ9GX	Pos HemaTrace	Pos HemaTrace
AU2V9U	Pos HemaTrace	Pos HemaTrace
AUHUK7	Pos HemaTrace	Pos HemaTrace
B2ZHZU	Pos HemaTrace	Pos HemaTrace
B42MBU	Pos HemDirect	Pos HemDirect
B6KFGX	Pos HemaTrace	Pos HemaTrace
B6XZW2	Pos qPCR	Pos qPCR
B7E7MC	Pos	Pos
BK8RY7	Pos HemaTrace	Pos HemaTrace
BKXQ87	Pos	Pos
C34R8H	Pos HemaTrace	Pos HemaTrace
C4INGLW	Pos HemDirect	Pos HemDirect
CCBCNR	Pos HemDirect	NT
CDM7BK	Pos PowerQuant	Pos PowerQuant
CK7EQ4	Pos HemaTrace	Pos HemaTrace
CPYAWH	Pos Quantifiler Trio	Pos Quantifiler Trio
CTWZW2	Pos qPCR	Pos qPCR

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
D6C6PJ	Pos HemaTrace, PowerQuant	Pos PowerQuant
D9AUMH	Pos HemDirect	Pos HemDirect
DALBD3	Pos	Pos
DC88QV	Pos HemaTrace	Pos HemaTrace
DDKM93	Pos	Pos
DJ62H2	Pos HTR	Pos HTR
DQAVJN	Pos HemaTrace	Pos HemaTrace
DW2WA4	Pos	Pos
DX6M6W	Pos Seratec PMB	Pos Seratec PMB
DXCV7X	Pos HemaTrace	Pos HemaTrace
EAKX6Z	Pos HemDirect	NT
EF4BVM	Pos HemaTrace	Pos HemaTrace
ENHW6Q	Pos HemaTrace	Pos HemaTrace
ETA9X2	Pos HemaTrace	NT
F26EL2	Pos	Pos
F9K98W	Pos HemaTrace	Pos HemaTrace
F9L4WU	Pos HemaTrace	Pos HemaTrace
F9ZMGR	Pos HemaTrace	Pos HemaTrace
FA9WGC	Pos inmunocromatografica Hb	Pos Inmunocromatografica Hb
FKA9YY	Pos HemaTrace	NT
GBP6KX	Pos Quant trio	Pos Quant trio
GFGGEA	Pos HemaTrace	Pos HemaTrace
GMEB7F	Pos Power quant	Pos Power quant
GQEL2F	Pos PowerQuant	Pos PowerQuant
HAT62R	Pos HemeDirect, Quant Trio	Pos HemeDirect, Quant Trio
HBD8ER	Pos HemaTrace	Pos HemaTrace
HFYZKR	Pos RSID-Blood	Pos RSID-Blood
HMA3TL	Pos HemaTrace	Pos HemaTrace, PSA
HT2KTJ	Pos HemaTrace	Pos HemaTrace
HW4CAW	Pos Quantifiler Trio	Pos Quantifiler Trio
J27R9J	Pos HemaTrace	Pos HemaTrace
J339KF	Pos PowerQuant	Pos PowerQuant
J4D8EP	Pos HemaTrace	Pos HemaTrace
J69QJC	Pos HemaTrace	Pos HemaTrace
J9PVFL	Pos HemaTrace	Pos HemaTrace
JFNKWQ	Pos HemaTrace	Pos HemaTrace
JGJ4ZC	Pos HemaTrace, PowerQuant	Pos PowerQuant

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
JZETUK	Pos HemaTrace	Pos HemaTrace
JZYD2D	Pos PowerQuant, HemaTrace	Pos PowerQuant
K26EZG	Pos HemaTrace	Pos HemaTrace
K63VCB	Pos PowerQuant	Pos PowerQuant
KA3ZEV	Pos	Pos
KBQMHJ	Pos HemDirect	Pos HemDirect
KFLC6H	Pos HemaTrace	Pos HemaTrace
KKWGN6	Pos Ouchterlony, Quant Trio	Pos Ouchterlony, Quant Trio
KRWR4A	Pos RT-PCR	Pos RT-PCR
KUL2DB	Pos HemaTrace	Pos HemaTrace
L8QKKV	Pos	Pos
LFY93A	Pos HemaTrace	Pos HemaTrace
LQLD7T	Pos HemDirect	Pos HemDirect
LZ7FG9	Pos qRT-PCR	Pos qRT-PCR
MB24UM	Pos HemaTrace	Pos HemaTrace
MC4KHL	Pos HemaTrace	Pos HemaTrace
ME436F	Pos HemaTrace	Pos HemaTrace
MKQWX8	Pos RT-PCR	Pos RT-PCR
MP6EFN	Pos Quant Duo	Pos Quant Duo
MPLJXM	Pos HemaTrace	Pos HemaTrace
MQWB4H	Pos HemDirect	Pos HemDirect
MTKZ4P	Pos HT	Pos HT
MTLVTM	Pos HemaTrace	Pos HemaTrace
MW428N	Pos Quant DUO	Pos Quant DUO
MYPJP9	Pos HemDirect	Pos HemDirect
N37LTK	Pos HemaTrace	Pos HemaTrace
N9AAN7	Pos qRT-PCR	Pos qRT-PCR
N9ZAYR	Pos Quantifiler Trio	Pos Quantifiler Trio
NFUNBC	Pos HemaTrace	Pos HemaTrace
NNK7PK	Pos HemaTrace	Pos HemaTrace
NPFPT8	Pos HemaTrace, PowerQuant	Pos PowerQuant
NQXJUG	Pos HemaTrace	Pos HemaTrace
NUUF6U	Pos HemaTrace	Pos HemaTrace
NWYWAQ	Pos HemaTrace	NT
PBVEYP	Pos qPCR	Pos qPCR
PG6M7L	Pos HemaTrace	Pos HemaTrace
PLEUWP	Pos Quantifiler Trio	Pos Quantifiler Trio

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
PV227E	Pos HemaTrace	Pos HemaTrace
PZFN9K	Pos PowerQuant	Pos PowerQuant
Q8A46H	Pos HemaTrace	Pos HemaTrace
QPPD6H	Pos HemaTrace	Pos HemaTrace
QR6LMJ	Pos PowerQuant	Pos PowerQuant
RACF9W	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
RCY4X4	Pos HemaTrace, PowerQuant	Pos PowerQuant
RLPN2F	Pos HemaTrace	Pos HemaTrace
RQ3FFN	Pos	Pos
T7BPN3	Pos HemDirect	NT
TB4KUG	Pos HemaTrace	Pos HemaTrace
TFZEFP	Pos HemDirect	NT
TGAHYE	Pos Prec	Pos Prec
TJW3ZC	Pos Quantiplex Pro	Pos Quantiplex Pro
TP4QHK	Pos qPCR	Pos qPCR
TQWGMY	Pos HemDirect	Pos HemDirect
TT32DK	Pos qPCR	Pos qPCR
TUWRJY	Pos Human Blood card test	Pos Human Blood card test
TYC4TM	Pos	Pos
UEZJQR	Pos HT	Pos HT
UMY4WT	Pos HemaTrace	Pos HemaTrace
UN39YF	Pos HemaTrace	Pos HemaTrace
UZ3KNF	Pos DNA analysis	Pos DNA analysis
V4D7J8	Pos HemaTrace	Pos HemaTrace
V6QNWK	Pos HemaTrace	Pos HemaTrace
V73HHC	Pos HemaTrace	Pos HemaTrace
VJ7QE9	Pos HemaTrace	Pos HemaTrace, PSA
VJ8JCG	Pos qPCR	Pos qPCR
VJB7QA	Pos HemDirect	Pos HemDirect
VMACC8	Pos HemaTrace	Pos HemaTrace
VMQT6E	Pos HemaTrace	Pos HemaTrace
VR4M9Q	Pos Casework Direct	Pos Casework Direct
VR83MD	Pos HemDirect	Pos HemDirect
VX8KPH	Pos qPCR	Pos qPCR
VZUWQ9	Pos HemDirect	Pos HemDirect
WGDGGD	Pos Seratec PMB	Pos Seratec PMB, Seratec PSA
WV7KJJ	Pos	Pos

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
WYHNWE	Pos Quant Duo	Pos Quant Duo
X8AKCE	Pos RSID	Pos RSID
XDLACB	Pos HemDirect	Pos HemDirect
XMZGJB	Pos HemaTrace	Pos HemaTrace
XTP2K7	Pos HemDirect	Pos HemDirect
XXZUV6	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace, p30
Y3AKKW	Pos HemaTrace, PowerQuant	Pos PowerQuant
YATQG4	Pos HemaTrace	Pos HemaTrace
YCWQB9	Pos Quantifiler Trio	Pos Quantifiler Trio
YQDVAP	Pos Quant Trio	Pos Quant Trio
YWPPN	Pos HemaTrace	Pos HemaTrace
Z2CK7H	Pos quant	Pos quant
ZDPK3B	Pos HemaTrace	Pos HemaTrace
ZGLJ33	Pos HemaTrace	Pos HemaTrace
ZHHYEV	Pos PowerQuant	Pos PowerQuant
ZMA7X8	Pos HEM	Pos HEM
ZR3C84	Pos HemaTrace, BQLCN	Pos HemaTrace, PSA, BQLCN
ZR466C	Pos qPCR	Pos qPCR
ZR8RK4	Pos HemDirect	Pos HemDirect
ZUC76N	Pos HemaTrace, Quant TRIO	Pos HemaTrace, Quant TRIO

Table 1d: Serology Screening Response Summary - Human Origin		Participants: 729	
Table above excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4. Summary below includes all participants who performed any screening including those excluded from the table above.			
	Item 3	Item 4	
Positive	202	193	
Negative	0	0	
Inconclusive	0	0	
Not Tested (NT)	474	483	
Not Reported	53	53	

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
24D83T	NT	Pos Zygem, qPCR
26U329	Neg NAOH	Pos NAOH
2LUDB4	Neg Quantifiler Trio	Pos Quantifiler Trio
2NL8BU	NT	Pos zygem, RT-qPCR
2QUDWV	Neg Casework Direct, PowerQuant	Pos Casework Direct, PowerQuant
2VJZF8	Neg NaOH	Pos NaOH
2ZCYZ4	Pos Quantifiler Trio	Pos Quantifiler Trio
2ZZDCN	Neg Quant Trio	Pos Quant Trio
3KHXG4	Neg Quantifiler Trio	Pos Quantifiler Trio
3TDN97	Neg Plexor HY	Pos Plexor HY
3VGN3B	Neg qPCR	Pos qPCR
43AE6X	Neg Plexor HY	Pos Plexor HY
47WTVT	Neg Casework Direct	Pos Casework Direct
4936Z9	Neg Promega Casework Direct Kit	Pos Promega Casework Direct Kit
4BN6N4	Neg Quant Trio	Pos Quant Trio
4D3BL7	NT	Pos YFiler Plus
4EMJA8	Neg qPCR	Pos qPCR
4H6UBH	Neg Plexor HY	Pos Plexor HY
6B6LFQ	NT	Pos Zygem, qPCR
6E7KYV	Neg PQ	Pos PQ
6YWKD8	Neg NaOH	Pos NaOH
7EM7W4	Neg Quant Trio	Pos Quant Trio
7RT29E	Neg Quantifiler Trio	Pos Quantifiler Trio
7Z2RT6	Neg Quantifiler Trio	Pos Quantifiler Trio
88KCH3	Neg PowerQuant	Pos PowerQuant
8LW22W	Neg Plexor HY Quantification Kit	Pos Plexor HY Quantification Kit
8PTTAT	Neg Plexor HY	Pos Plexor HY
8R79R2	Neg NaOH Y Screen	Pos NaOH Y Screen
8TY9PC	Neg Quantifiler Trio	Pos Quantifiler Trio
8VMKNH	Neg Quant Trio	Pos Quant Trio
996K74	Neg qPCR	Pos qPCR
9AVZ2X	Neg Plexor HY	Pos Plexor HY
9LFYG3	Neg quant Trio	Pos quant Trio
9WDYU8	Neg	Pos

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
ACNZ43	Neg Promega Casework Direct Kit	Pos Promega Casework Direct Kit
AECFDB	Neg Quantifiler	Pos Quantifiler
AGX8GZ	Neg Plexor HY	Pos Plexor HY
AL2H6K	NT	Pos Zygem + qRT-PCR
AU2V9U	Neg Plexor HY Quantification Kit	Pos Plexor HY Quantification Kit
AVCKQL		Pos Zygem
B6XZW2	Neg qPCR	Pos qPCR
B7E7MC	Neg	Pos
B9ZRDE	Neg Plexor HY	Pos Plexor HY
BKXQ87	Neg	Pos
CPYAWH	Neg Quantifiler Trio	Pos Quantifiler Trio
CTWZW2	Neg qPCR	Pos qPCR
DALBD3	Neg	Pos
DDKM93	Neg	Pos
DGJ66A	Neg Plexor HY	Pos Plexor HY
DJ62H2	Pos YQUANT	Pos YQUANT
DW2WA4	Neg	Pos
DXCV7X	Neg Quantifiler Trio	Pos Quantifiler Trio
ECJ96G	NT	Pos Zygem, QPCR
ECRF4W	Neg NaOH Y screen	Pos NaOH Y screen
EDJG28	Neg	Pos
EF4BVM	Neg Plexor HY	Pos Plexor HY
ENHW6Q	Neg Plexor HY	Pos Plexor HY
F26EL2	Neg	Pos
F7CAYA	Neg Quantifiler Trio	Pos Quantifiler Trio
FHNQGE	NT	Pos ZyGEM/QuantifilerTrio
FKWP39	Neg Plexor HY Quantification kit	Pos Plexor HY Quantification kit
FVCNQP	Neg PlexorHY	Pos PlexorHY
G4NXZ4	Neg Quant Trio	Pos Quant Trio
GMX4XD	NT	Pos Zygem, qPCR
H4FHXM	Neg Plexor HY Quantification kit	Pos Plexor HY Quantification kit
HJTXWC	NT	Pos Zygem
HTJFNR	Neg Quantifiler Trio	Pos Quantifiler Trio
HY66FN	Neg Plexor HY	Pos Plexor HY
J3ELQG	Neg Quantifiler Duo	Pos Quantifiler Duo
J9CJJ3	NT	Pos qPCR (Trio)

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
JBZQAQ	Neg NaOH Y Screen	Pos NaOH Y Screen
JMPWRM	Neg Plexor HY	Pos Plexor HY
JZETUK	Neg Plexor HY	Pos Plexor HY
KA3ZEV	Neg	Pos
KKWGN6	Neg Quant TRIO	Pos Quant TRIO
KRWR4A	NT	Pos Zygem, RT-PCR
KVYL7L	Neg Plexor HY	Pos Plexor HY
KWAMRK	Neg	Pos
KZCJZ	NT	Pos Quant Trio
L2JW22	Neg Plexor HY	Pos Plexor HY
L86399	NT	Pos Zygem+Quant
L8QKKV	Neg	Pos
LF6B62	Neg	Pos
LFJXE3	Neg Plexor HY	Pos Plexor HY
LXKK62	Neg Plexor HY	Pos Plexor HY
LZ7FG9	NT	Pos zygem, qRT-PCR
MAX634	Neg Quantifiler Trio	Pos Quantifiler Trio
MKQWX8	NT	Pos Zygem, RT-PCR
N8NEDY	Neg Plexor HY	Pos Plexor HY
N9AAN7	NT	Pos Zygem + qRT-PCR
NUUF6U	Neg Quantifiler	Pos Quantifiler
PBVEYP	Neg qPCR	Pos qPCR
PGGL3F	Neg Plexor HY	Pos Plexor HY
PR3L2X	Neg Plexor HY	Pos Plexor HY
PTDFR7	NT	Pos Zygem Y-Screen
PUNGD6	NT	Pos Zygem
PUTKFW	Neg Quantifiler Trio	Pos Quantifiler Trio
PV227E	Neg Plexor HY	Pos Plexor HY
PZFN9K	Neg PowerQuant	Pos PowerQuant
QAXKC6	NT	Pos Zygem + qPCR
QR6LMJ	Neg PowerQuant	Pos PowerQuant
R2G9Y4	NT	Pos Zygem Real-time PCR
R2XKC3	NT	Pos Zygem + qPCR
RACF9W	Neg Quant Trio, p30	Pos Quant Trio, p30
RQ3FFN	Neg	Pos
T4ZZ8C	Neg Plexor HY	Pos Plexor HY

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
TJW3ZC		Pos Quantiplex Pro, PPY23
TP4QHK	Neg qPCR	Pos qPCR
TQVM7E	Neg Quantifiler Trio	Pos Quantifiler Trio
TT32DK	Neg qPCR	Pos qPCR
TYC4TM	Neg	Pos
U3MN3F	Neg PlexorHY	Pos PlexorHY
U7PG6Q	Neg Quant Trio	Pos Quant Trio
U9RA7C	Neg Quantifiler Trio	Pos Quantifiler Trio
UEZJQR	Neg Quantifiler Trio	Pos Quantifiler Trio
UR9LPU	Neg Plexor HY	Pos Plexor HY
UVPUDU	Neg Plexor HY	Pos Plexor HY
V7KE3Y	NT	Pos Male DNA
VECR4K	Neg Investigator Quantiplex HYres	Pos Investigator Quantiplex HYres
VJ8JCG	Neg qPCR	Pos qPCR
VR4M9Q	Neg Casework Direct	Pos Casework Direct
VU7GVA	Neg Quantifiler Trio	Pos Quantifiler Trio
VX8KPH	Neg qPCR	Pos qPCR
WJN4QD	Neg NaOH	Pos NaOH
WKYYYY	NT	Pos Zygem, qRT-PCR
WMNG6P	Neg	Pos
WV7KJJ	Neg	Pos
WWRFWC	Neg Plexor HY	Pos Plexor HY
XW986M	Neg Quant Trio	Pos Quant Trio
XXZUV6	Neg Quant Trio	Pos Quant Trio
YCWQB9	Neg Quantifiler Trio	Pos Quantifiler Trio
YQDVAP	Neg Quant Trio	Pos Quant Trio
YQZYJC	Neg NaOH Y screen	Pos NaOH Y screen
Z2CK7H	Neg quant	Pos quant
Z2CPGK	Neg Quantifiler Trio	Pos Quantifiler Trio
Z78JEL	Neg	Pos
ZDPK3B	Neg Quantifiler Trio	Pos Quantifiler Trio
ZFHLZM	NT	Pos
ZHCQ26	Neg Y-Screening	Pos Y-Screening
ZR466C	Neg qPCR	Pos qPCR
ZUBHT6	Neg	Pos
ZUC76N	Neg Quant TRIO	Pos Quant TRIO

Table 1e: Serology Screening Response Summary - Y ScreeningParticipants: **729**

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

Summary below includes all participants who performed any screening including those excluded from the table above.

	Item 3	Item 4
Positive	2	142
Negative	114	0
Inconclusive	0	0
Not Tested (NT)	548	523
Not Reported	65	64

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		
26U329	Semen	Neg	p30/Micro			
2FTX4A	Human Blood	Pos	RSID	Human Blood	Pos	RSID
2VJZF8	Semen	Inc	AP			
2XWDK4	Urine	Neg	Uritrace	Urine	Neg	Uritrace
2ZCYZ4	Blood - immun	Pos	BLUESTAR® OBTI	Blood - immun	Pos	BLUESTAR® OBTI
4PQHE2				Urine	Neg	Uritrace
6GFFTZ	Urine	Neg	Uritrace			
87X389	Alternate Light Source	Neg	ALS	Alternate Light Source	Pos	ALS
ABL92Z	Vomit	Neg	PepTest	Menstrual Blood	Neg	Seratec PMB card
AHKZ2H	Menstrual Blood	Neg	Seratec PMB	Menstrual Blood	Neg	Seratec PMB
BK8RY7				Spermatozoa	Neg	Micro
BK9P6V	hair	Neg	Visual	hair	Neg	Visual
DX6M6W	Menstrual Blood	Neg	Seratec PMB	Menstrual Blood	Neg	Seratec PMB
EBPHY3	ALS	Neg		ALS	Neg	
ECRF4W	Urine	Neg	RSID-urine	Urine	Neg	RSID-urine
FA9WGC	Fluido biologico	Pos	ALS	Fluido biologico	Pos	ALS
J3WZ8M	seminal fluid	Inc	AP	seminal fluid	Inc	AP
MGDXYK				Urine	Neg	Uritrace
MTKZ4P	Visual	Neg	ALS- blue light	Visual	Neg	ALS-blue light
NQQGXG	ALS	Neg		ALS	Pos	
PQD9JF	Urine	Neg	Uritrace	Urine	Neg	Uritrace
RULBHF	Urine	Neg	Uritrace			
U3P4PD				Urine	Neg	Uritrace
UHMBNF	No hair found	Neg	Visual	One hair recovered	Neg	Micro: Unsuitable for nuclear DNA analysis

TABLE 1f

WebCode	Other Screening Results	
	Item 3	Item 4
VHZ6YA	urine Neg uritrace	
VN4BEC	Urine Neg Uritrace	
WGDGGD	Urine Neg DMAC/Creatinine	Urine Neg DMAC/Creatinine

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

237Q33	GlobalFiler™	15,16.3	20,23	10	14,18	12
1		10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24			20,27.2	7
		15,16				8
<hr/>						
23Q8H6	GlobalFiler™	15,16.3	20,23	10	14,18	12
1		10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24			20,27.2	7
		15,16				8
<hr/>						
24D83T	PowerPlex® Fusion	15,16.3	20,23	10	14,18	12
1		10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24	11,12	12		7
		15,16	INC			8
<hr/>						
24FKZM	GlobalFiler™	15,16.3	20,23	10	14,18	12
1		10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24			20,27.2	7
		15,16				8
<hr/>						
26U329	GlobalFiler™ (STRmix)	15,16.3	20,23	10	14,18	12
1		10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24			20,27.2	7
		15,16	NR			NR
<hr/>						
272FCU	GlobalFiler™	15,16.3	20,23	10,10	14,18	12,12
1		10,14	10,14	15,16	17,18.3	12,12
		17,17	14,15	30,35	15,15	X,X
		21,24			20,27.2	7,7
		15,16	--			--

TABLE 2

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

Item 1 - STR Results

27HMJX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
27M3YJ	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
29V7VF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
2DKM6K	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2EWJD7	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
2FNGR4	PowerPlex® Fusion 6C (DNA VIEW)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
2FTX4A	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

2GZAM7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no result			no result	
2HWUA7	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2JCXEJ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2LJDNB	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
2LUDB4	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	No Results	No Results	No Results	No Results	
2M9J42	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2N438M	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

2NL8BU	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
2NX763	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
2PE4UL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2PE96N	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2PYPKR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2QUDWV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
2VJZF8	GlobalFiler™ Express (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

2WUWW6	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
2XWDK4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
2YGPGM	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
2ZCYZ4	PowerPlex® Fusion 6C, GlobalFiler™ (GENEMAPPER ID-X 1.4)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2ZZDCN	GlobalFiler™ Express (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
33ZV2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
34DERR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

38A49Y	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
38DQNR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3AWPY2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
3CRAY8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3DZKH6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3EETZ6	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3EWNKR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

3FM98B	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3GUJQ9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3HV6XL	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3KHXG4	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	No Results	No Results	No Results	No Results	
3LQ7N3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3PPCAZ	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3Q8BKC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

3Q9CFB	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
3QKZL4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3TDN97	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3TGKLA	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3U4ZWH	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3VGN3B	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
3VVM8	PowerPlex® Fusion 5C, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

3X8LXW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3XQHE3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
43WQX4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
43XE93	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4697R6	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
46FLL6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
47ET24	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

47WTVT	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
4BN6N4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4CHYF7	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	ND	ND	ND		
4D3BL7	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
1	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4DCCD7	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4DCGN9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4E7AG8	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	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 1 - STR Results

4ELQCZ	PowerPlex® 5C, MiniFiler					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16	No Results				
4EMJA8	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4EQ7PZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
4EQYPU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4EUCJG	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4FY6XN	PowerPlex® Fusion 6C, NGM Detect					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4GUU9W	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

4GYZ3D	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
1	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4H6UBH	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4J3ZUX	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
4KCZLX	GlobalFiler™, MiniFiler					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results			No Results	
4MZCK4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
4PQHE2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4TEUD7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

4UJTY	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4UZRB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4VBRDX	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4W2ZDZ	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
4W78PU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4X8WFK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4Z7JLU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

62YKD4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
644D6G	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
69EJA3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
69JQ4J	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16		N/A	N/A	N/A	
6B6LFQ	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
6E7KYV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6ENGE2	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

6GFFTZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6JFXGU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
6P8Y89	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6QH3CK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
6TJXA2	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	ND				
6V7RQ3	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6VA4N7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

6VQBXV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
6YNY44	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6YWKD8	GlobalFiler™ Express (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
72F3PN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
76B2XR	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
78GJVN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
79T2BM	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

7A7T44	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7AT6WB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
7BTLNK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7CDB2Y	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
7EM7W4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
7GRLGN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7HLHR4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

7JHPE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7JUFGE	GlobalFiler™ (STRmix™)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
7LMFEP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
7N3Y6L	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No result			No result	
7P7LY7	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NID			NID	
7QGHB3	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
7RT29E	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NR
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NR	NR	20,27.2	7	8
	15,16	NR	NR	NR	NR	

TABLE 2

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

Item 1 - STR Results

7TLXVM	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7UP2WN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7WWZP7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7Z2RT6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
82B2JG	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
82NPPA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
832C8N	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

87X389	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
88KCH3	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
89CDED	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
8ALHT2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8ANY3U	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8B3EK2	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
8CCNBD	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

8CW6QF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
8ECQ92	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8EVP6Z	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8FX7TY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8PDEZY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8PTTAT	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8QN9LQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

8R2LN2	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8R79R2	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
8TF8ZN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
8TY9PC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NR
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NR	NR	20,27.2	7	8
	15,16	NR	NR	NR	NR	
8V23P3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	ND	ND	ND		
8VMKNH	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8XDFUY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

8ZDWGT	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
93TV4L	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
94CNBB	PowerPlex® 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
996K74	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
9988KW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
9B9FP8	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
9D3AGA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

9DD8FY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
9FQLFF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
9HU927	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NT				
9J9XZ3	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
9LFYG3	PowerPlex® 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
9NHWTV	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
9RJ29W	GlobalFiler™, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

9WQM2Z	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No results			No results	
9WTD43	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
9XM3DW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
9ZCDFB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	-----
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	-----	-----	-----	-----	
A2NCC7	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
A3ET8Y	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
1	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
A4MWQP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

A6HPDV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
A7EV6N	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
A8QLGD	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
AB78XY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ABL92Z	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
AC2RLX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
AECFDB	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

AF6CZJ	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
AGR6KZ	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	n/a
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	n/a	n/a	20,27.2	7,7	8,8
	15,16	n/a	n/a	n/a	n/a	
AGX8GZ	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AHKZ2H	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AHP7VY	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AJZ9GX	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AKCYFF	GlobalFiler™, MiniFiler					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

AKVQKK	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AL2H6K	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
AR2BUB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ARC6JJ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AUHUK7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
AVCKQL	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
AWCGC3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

B3ANWV	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
B42MBU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
B6KFGX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
B6W9XT	PowerPlex® Fusion 5C, GlobalFiler™, MiniFiler					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	No Results			No Results	
B6XZW2	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
B79XAH	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
B8LKXY	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

B9ZRDE	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
BA7DRD	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
BE7JNW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
BFZAUC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
BJ34U2	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
BK8RY7	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
BK9P6V	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

BKMBH4	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
BLALTX	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
BQ2TB7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
C34R8H	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
C4NGLW	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
C98TDD	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
CB3963	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

CBFVCV	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR				
CCBCNR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
CDM7BK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
CEECHX	Identifiler® Direct					
		20,23		14,18	12	
1	10,14	10,14			12	12
	17	14,15	30,35		X,X	12,13
	21,24				7	8
	15,16					
CK7EQ4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CMVRLT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CPYAWH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

CRB4HA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CT3DEW	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
CTWZW2	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
CUU26E	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
CWEE7U	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
CZ68TX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	NA
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	NA	NA	20,27.2	7,7	8,8
	15,16	NA	NA	NA	NA	
CZHT92	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

D6C6PJ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
D9AUMH	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
DAMDWF	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
DD4T9T	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
DDLNR	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
DFPD6W	PowerPlex® Fusion, GlobalFiler™ (GeneMapper IDX)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
DGJ66A	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

DHC73K	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
DHHBNN	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
DJ62H2	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
DPVAAM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
DQ7BVL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
DWBWZH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
DX6M6W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

DXCV7X	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
E722JV	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EAKX6Z	GlobalFiler™ Express					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EBPHY3	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ECJ96G	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
ECRF4W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
EDJG28	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

EF4BVM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EM6D9Z	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EPZY2Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EQUP86	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ER29PE	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
ETA9X2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EWBFDX	PowerPlex® Fusion 6c Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

EWV3MF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EX8K3E	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
EXRC7W	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F2JZXN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F3UYXY	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NT				
F6A36X	PowerPlex® Fusion 6c					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
F7CAYA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

F9346Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9E2ZU	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
F9K98W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9L4WU	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9ZMGR	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FA9WGC	PowerPlex® Fusion 6c					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
FAD7QP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

FB8WW4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
FCYWA	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
FEUHM7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
FF3V68	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FHNQGE	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
FKA9YY	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
FKWP39	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

FPRERT	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
FRFQQY	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
FT8QNA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
FVCNQP	Investigator® 24plex (STRMIX)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FVX8J4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
FYVM2Y	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FYY3GK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

G3RQ7Q	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Result			No Result	
G3VX3T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
G4JHKH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
G4NXZ4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
G6ZPRK	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
G7NFMX	Identifiler®					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
G7V9W8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

GA8EZT	GlobalFiler™ (GMIDX)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GAMF2A	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
GBP6KX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	No results			No results	
GC26HT	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
GE29XU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
GFGGEA	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GGGC7R	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

GKAE6L	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
GMEB7F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
GMX4XD	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
GMZKLC	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GPBKXN	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
GQEL2F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
GTAVKX	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

GTMN2T		Identifiler® Direct					
		20,23		14,18	12		
1	10,14	10,14			12	12	
	17	14,15	30,35		X,X	12,13	
	21,24				7	8	
	15,16						
GUDMFR		GlobalFiler™					
	15,16.3	20,23	10	14,18	12		
1	10,14	10,14	15,16	17,18.3	12	12	
	17	14,15	30,35	15	X	12,13	
	21,24			20,27.2	7	8	
	15,16						
GWLZXT		Identifiler® Direct					
		20,23		14,18	12		
1	10,14	10,14			12	12	
	17	14,15	30,35		X,X	12,13	
	21,24				7	8	
	15,16						
GXWPC		GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12		
1	10,14	10,14	15,16	17,18.3	12,12	12,12	
	17,17	14,15	30,35	15,15	X,X	12,13	
	21,24			20,27.2	7,7	8,8	
	15,16						
H34MCV		GlobalFiler™					
	15,16.3	20,23	10	14,18	12		
1	10,14	10,14	15,16	17,18.3	12	12	
	17	14,15	30,35	15	X	12,13	
	21,24			20,27.2	7	8	
	15,16						
H386FL		Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12		
1	10,14	10,14	15,16	17,18.3	12,12	12,12	
	17,17	14,15	30,35	15,15	X,X	12,13	
	21,24			20,27.2	7,7	8,8	
	15,16						
H4FHXM		Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12		
1	10,14	10,14	15,16	17,18.3	12,12	12,12	
	17,17	14,15	30,35	15,15	X,X	12,13	
	21,24			20,27.2	7,7	8,8	
	15,16						

TABLE 2

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

Item 1 - STR Results

HAT62R	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
HBD8ER	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HBW6F7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
HFYZKR	GlobalFiler™ (STR-mix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HHF2TT	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HJTXWC	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
HJVCU7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

HKPBUQ	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
HNQA3A	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
HPHFAN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
HQFPER	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
HQHEMU	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HT2KTJ	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HTJFNR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

HUC3EA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HWKFVB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HY66FN	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
J27R9J	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
J339KF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J3ELQG	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
J3WZ8M	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24	11,12	12		7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

J4FN3N	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	NA
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NA	NA	NA	NA	
J69QJC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J6NYLK	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
J7N3AU	GlobalFiler™ (STRmix 2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
J9CJJ3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
J9PVFL	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JA4F7B	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

JAME6U	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
JBEE36	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JBVF68	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JBZQAQ	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
JC83TM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JDH4EL	GlobalFiler™ Direct					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	N/D			N/D	
JDNCRF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

JEELN3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JFNKWQ	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JGHFBL	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
JGJ4ZC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
JHU86N	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	
JJ7RAR	PowerPlex® 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
JJM4RW	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

JMPWRM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JN3E2K	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JNRDFL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JPXUFC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JR688C	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JVNG2A	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JXB238	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

JY37AK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	-	-	-		
JYLD4	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results				
JZYD2D	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
K4V8ML	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
K63VCB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
K689Z8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
K8B2ZX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

KBQMHI	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	---			---	
KGGTHE	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
KJTGAR	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
KKWGN6	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
KMNG28	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
KRWR4A	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
KRY624	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

KTFEZW	GlobalFiler™					
		15,16.3	20,23	10,10	14,18	12,12
	1	10,14	10,14	15,16	17,18.3	12,12
		17,17	14,15	30,35	15,15	X,X
		21,24			20,27.2	7,7
	15,16				8,8	
KUL2DB	GlobalFiler™					
		15,16.3	20,23	10,10	14,18	12,12
	1	10,14	10,14	15,16	17,18.3	12,12
		17,17	14,15	30,35	15,15	X,X
		21,24			20,27.2	7,7
	15,16	---			8,8	
KV6LGM	PowerPlex® Fusion 6C					
		15,16.3	20,23	10	14,18	12
	1	10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24	11,12	12	20,27.2	7
	15,16				8	
KVYL7L	Investigator® 24plex					
		15,16.3	20,23	10,10	14,18	12,12
	1	10,14	10,14	15,16	17,18.3	12,12
		17,17	14,15	30,35	15,15	X,X
		21,24			20,27.2	7,7
	15,16				8,8	
KWAMRK	Investigator® 24plex					
		15,16.3	20,23	10,10	14,18	12,12
	1	10,14	10,14	15,16	17,18.3	12,12
		17,17	14,15	30,35	15,15	X,X
		21,24			20,27.2	7,7
	15,16				8,8	
KX67V8	GlobalFiler™					
		15,16.3	20,23	10	14,18	12
	1	10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24			20,27.2	7
	15,16				8	
KYGRJM	PowerPlex® Fusion 6C					
		15,16.3	20,23	10	14,18	12
	1	10,14	10,14	15,16	17,18.3	12
		17	14,15	30,35	15	X
		21,24	11,12	12	20,27.2	7
	15,16	NR	NR	NR	8	

TABLE 2

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

Item 1 - STR Results

KYHQNG	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
KYL9VT	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
KYXYQP	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
KZCJJZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
L2JW22	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
L3H2KG	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
L4VTCX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

L86399	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
L8B7BZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
LA8ZGF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not Tested	Not Tested	20,27.2	7,7	8,8
	15,16	No Results	Not Tested	Not Tested	No Results	
LERWGR	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
LF6B62	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LFJXE3	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LFY93A	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	

TABLE 2

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

Item 1 - STR Results

LGH3WH	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
LHR6K3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LNXX9	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LP67W6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LQ3873	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LQLD7T	GlobalFiler™ Express					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LZ7FG9	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	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

M3DYCN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
M46ZAY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
M6WEFN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NID	NID	NID		
M7BHAF	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
M86DNC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MAX634	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MB24UM	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

MC4KHL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ME436F	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ME8KA7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MFUDUN	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	NA
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	
MGDXYK	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MGQGVB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
MHLAHG	GlobalFiler™ (GMID-X)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

MJ2AYQ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MKCKP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MKQWX8	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
MKUBV2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MLG4FH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NT
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NT	NT	20,27.2	7	8
	15,16	NR	NT	NT	NR	
MM2GJN	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-				
MME6QG	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

MME92J	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
MMHMV8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MNCMGP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MP6EFN	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	NA
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	
MPLJXM	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MQ2RFN	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-				
MQ2UWF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

MQFG2M	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MQWB4H	PowerPlex® Fusion					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
MT4QBN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MTKZ4P	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MTLVTM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MUETWM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MW37UX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

MW428N	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MWJGGJ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MWMV6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
MYPJP9	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
MZPMCH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
N393FH	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	not tested
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	no result	no result	no result	not tested	
N3NDYN	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

N6DLAK	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	
N6ENMV	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
N6U2Z8	GlobalFiler™ (TrueAllele)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
N7NR7L	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	NA
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	
N9AAN7	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
NDMAMJ	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
NE48FH	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	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 1 - STR Results

NEWBQ6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
NG6EFL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
NHXAW4	GlobalFiler™ (STRmix V 2.4.06)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
NNK7PK	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
NPFPT8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
NQQGXG	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
NQXJUG	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

NR3D3L	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
NUUF6U	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
NWYWAQ	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
NZLHFK	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
P6RGHX	Investigator® 24plex GO!					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PBDHE3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PBVEYP	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

PDGB7F	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PECUB3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PG4YVM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PG6M7L	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PGGL3F	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PJCZVZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PK42TB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

PP37WV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PQD9JF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PR3L2X	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PTDFR7	PowerPlex® Fusion (STRMix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
PTUQ8Q	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PUNGD6	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
PUTKFW	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

PV227E	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PVNDYL	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PWEBJL	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PWGEWW	Investigator® 24plex GO! (TrueAllele)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	n/a				
PX92MF	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
PYJ9JF	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
PZFN9K	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

PZYCQE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q3M8QT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q4BT9H	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q6P2QJ	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Q9AVLX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QAXKC6	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
QB8PRE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

QC6UU2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
QKE8PC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
QMHCY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	NT
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	NT	NT	20,27.2	7,7	8,8
	15,16	NR	NT	NT	NR	
QNFGNK	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
QQRUTG	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QR6LMJ	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QTFNAH	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

QTWLKU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QV38BF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QXQJAL	GlobalFiler™ Express (STRmix v2.6.2)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NID			NID	
R22XBW	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R2G9Y4	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
R2XKC3	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
R4CVNE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

R6LWFE	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R7C3UJ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R8M6H4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
R8R9KV	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
RACF9W	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
RCY4X4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
RDEDWV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

REL8H	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RGEL3	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RJ2VKF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RJ6LNG	PowerPlex® Fusion 6C Direct					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
RKGCLZ	GlobalFiler™ (GeneMapper)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
RMD6A4	GlobalFiler™ (TrueAllele)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
RULBHF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

RVF2NV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
RWN8V4	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RYVM7G	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No results			No results	
RZAXDL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NSD			NSD	
RZMHTP	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RZNFYE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
T6UJBX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	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

T6YUFH	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
T7BPN3	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
T8MFX8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TABN89	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TAMTCJ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TAQBGA	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TB4KUG	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

TDTVKA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results			No Results	
TEA2AZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TFHDQ2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TFZEFP	GlobalFiler™ Express					
	15,16.3	20,23	10,10	14,18	12,12	
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TGAHYE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
THPQEU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TJW3ZC	PowerPlex® ESX17, 21, ESi17Pro					
	15,16.3	20,23	10	14,18	12	18,21.3
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

TKV9DQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TP4QHK	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
TQVM7E	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TQWGMY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
TR7BJY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TRBRWP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TRQ3JB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	

TABLE 2

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

Item 1 - STR Results

TRUQUN	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TT32DK	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
TUKWBE	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TUWRJY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
TW6PLG	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TXD7CY	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TXGJ7M	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

TXW4DD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TXYFPA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TY6XBY	GlobalFiler™ (STRmix v2.4.06)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	
U3MN3F	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
U3P4PD	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
U4JUVT	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
U7PG6Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

U9RA7C	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	NR	NR	NR	NR	
UAQFRC	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
UEZJQR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
UEZTAB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UHMBNF	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
UN39YF	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
UQEPEE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

UUWYWC	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UV8V2G	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
UVPUUD	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UWMZV9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
UXUJBW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
UYN9XX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
UZ3KNF	PowerPlex® ESX 16 Fast					
	15,16.3	20,23	10,10	14,18		
1		10,14	15,16	17,18.3		12,12
	17,17	14,15	30,35	15,15	X,X	
	21,24				7,7	
	15,16					

TABLE 2

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

Item 1 - STR Results

V49UVB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
V4D7J8	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
V6QNWK	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					
V7KE3Y	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
V8VDW9	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VAKPWD	PowerPlex® Fusion, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
VC6JQT	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	

TABLE 2

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

Item 1 - STR Results

VCAVPB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VDNBWX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VECR4K	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
VHZ6YA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VJ8JCG	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
VJB7QA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
VLDYRZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

VMACC8	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VMLFGH	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
VMQT6E	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
VN4BEC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VQVATB	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
VR83MD	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
VRJNBT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

VRNZYP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VU7GVA	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	No Results	No Results	No Results	No Results	
VX8KPH	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
VYYGDC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
W6EM3U	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
W94T4E	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
W97J7G	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

WAEYXU	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WCHHAA	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	ND				
WCLV3W	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WD2D4H	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WDWRHA	PowerPlex® Fusion 5 C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
WGDGGD	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					
WJ69TJ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

WJN4QD	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
WKCN3B	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WKYYYY	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
WMNG6P	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WNZ3T7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WQQA7F	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WT7VLF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

WVXRAA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WWDZQP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WWRFWC	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WZAMBD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WZCFWR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WZN7UB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WZTL8B	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no result			no result	

TABLE 2

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

Item 1 - STR Results

X3VPPP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
X83J4T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
X8AKCE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,13,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
X9GRLU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	ND			ND	
XA9WU8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
XB64LZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XBAG9W	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

XDLACB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
XGWB49	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XNPTA4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not Tested	Not Tested	20,27.2	7,7	8,8
	15,16	No Results	Not Tested	Not Tested	No Results	
XP739W	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XRGVCC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
XRUE93	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
XT69UU	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

XVW89T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XW986M	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
XWCKYB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
XXZUV6	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results				
Y3AKKW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
Y3RKP8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Y6W9UB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		

TABLE 2

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

Item 1 - STR Results

YATQG4	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YCWQB9	PowerPlex® Fusion 6C, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YEHGAR	Identifiler® AmpFLSTR™ PCR Amplification Kit					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
YENHPZ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YFVXW7	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YGQGZT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YJEW8F	Identifiler® Plus					
		20,23		14,18	12,12	
1	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

YJCM2	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YJYV8Y	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YKCBP7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YKQRU8	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YNCMK7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YPLQ2B	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YQDVAP	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	Not detected			Not detected	

TABLE 2

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

Item 1 - STR Results

YQZYJC	GlobalFiler™ Express					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
YR96T7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YRRYGM	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
YT4U3F	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YV8FN7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YXBB8A	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YXLRVC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

YXUZP4 GlobalFiler™ (BulletProof)						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YYU9LU GlobalFiler™						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YZL9KQ PowerPlex® Fusion 6C						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Z2CK7H GlobalFiler™						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z2CPGK GlobalFiler™						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z4Z2FQ Investigator® 24plex QS						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z62W6N PowerPlex® Fusion 6C						
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

Z78JEL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZAQFZQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZCFP98	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZDPK3B	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZE2P8M	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZEXWL9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
ZEYUQ3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

ZFHLZM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZGLJ33	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZHCQ26	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZHHYEY	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
ZMA7X8	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZQJWGA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZQRDBA	PowerPlex® Fusion 5C, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 1 - STR Results

ZR3C84	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
ZR466C	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
ZR8RK4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
ZRCXEL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
1	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZUBHT6	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZUC76N	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No result			No result	
ZUVY98	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 1 - STR Results

ZZKPJA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
1	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	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 2 - STR Results

237Q33	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
23Q8H6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
24D83T	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
24FKZM	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
26U329	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
272FCU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
27HMJX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

27M3YJ	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
29V7VF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2DKM6K	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2EWJD7	PowerPlex® 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
2FNGR4	PowerPlex® Fusion 6C (DNA VIEW)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2FTX4A	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2GZAM7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

2HWUA7	PowerPlex® Fusion, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
2JCXEJ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2LJDNB	GlobalFiler™ (STRmix v2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2LUDB4	PowerPlex® Fusion 6C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	Not Tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
2M9J42	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2N438M	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2NL8BU	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				

TABLE 2

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

Item 2 - STR Results

2NX763	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2PE4UL	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2PE96N	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
2PYPKR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2QUDWV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
2VJZF8	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2WUWW6	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

2XWDK4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2YGPGM	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
2ZCYZ4	PowerPlex® Fusion 6C, GlobalFiler™ (GENEMAPPER ID-X 1.4)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
2ZZDCN	GlobalFiler™ Express (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
33ZV2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
34DERR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
38A49Y	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

38DQNR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3AWPY2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3CRAY8	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3DZKH6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3EETZ6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3EWNKR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3FM98B	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

3GUJQ9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3HV6XL	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3KHG4	PowerPlex® Fusion 6C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	Not Tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
3LQ7N3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3PPCAZ	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
3Q8BKC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3Q9CFB	GlobalFiler™ (STRmix v2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

3QKZL4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
3TDN97	Investigator® 24plex (STRMix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
3TGKLA	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
3U4ZWH	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
3VGN3B	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
3VVM8	PowerPlex® Fusion 5C, GlobalFiler™ (GenMapper)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
3X8LXW	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

3XQHE3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
43WQX4	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
43XE93	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
4697R6	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
46FLL6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
47ET24	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
47WTVT	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

4BN6N4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4CHYF7	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
4D3BL7	PowerPlex® 21					
	13,17.3	18,20		16,17	11,13	11,13
2	8,12	12,12		18,25	9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16					
4DCCD7	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
4DCGN9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4E7AG8	Identifiler®, Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	N/A	
4ELQCZ	PowerPlex® 5C, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

4EMJA8	PowerPlex® 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
4EQ7PZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4EQYPU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4EUCJG	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
4FY6XN	PowerPlex® Fusion 6c, NGM Detect					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
4GUU9W	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
4GYZ3D	PowerPlex® 21					
	13,17.3	18,20		16,17	11,13	11,13
2	8,12	12,12		18,25	9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16					

TABLE 2

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

Item 2 - STR Results

4H6UBH	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
4J3ZUX	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4KCZLX	GlobalFiler™, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4MZCK4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
4PQHE2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4TEUD7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4UJTY	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

4UZRB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
4VBRDX	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
4W2ZDZ	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
4W78PU	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
4X8WFK	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
4Z7JLU	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
62YKD4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

644D6G	PowerPlex® Fusion 6C (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
69EJA3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
69JQ4J	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	N/A	
6B6LFQ	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
6E7KYV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
6ENGE2	PowerPlex® Fusion 6C (STRMix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
6GFFTZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

6JFXGU	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
6P8Y89	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
6QH3CK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
6TJXA2	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
6V7RQ3	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
6VA4N7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
6VQBXV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

6YNY44	PowerPlex® Fusion, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
6YWKD8	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
72F3PN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
76B2XR	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
78GJVN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
79T2BM	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7A7T44	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

7AT6WB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7BTLNK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7CDB2Y	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
7EM7W4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
7GRLGN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7HLHR4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
7JEHPE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

7JUFGE	GlobalFiler™ (STRmix™)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7LMFEP	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
7N3Y6L	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7P7LY7	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7QGHB3	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
7RT29E	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	NR
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	NR	NR	21.2,24.2	8,9	9,10
	14,16	10	NR	NR	2	
7TLXVM	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

7UP2WN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7WWZP7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
7Z2RT6	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
82B2JG	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
82NPPA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
832C8N	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
87X389	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

88KCH3	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
89CDED	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
8ALHT2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8ANY3U	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
8B3EK2	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
8CCNBD	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
8CW6QF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

8ECQ92	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8EVP6Z	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
8FX7TY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8PDEZY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8PTTAT	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
8QN9LQ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
8R2LN2	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

8R79R2	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8TF8ZN	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
8TY9PC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	NR
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	NR	NR	21.2,24.2	8,9	9,10
	14,16	10	NR	NR	2	
8V23P3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
8VMKNH	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8XDFUY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
8ZDWGT	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

93TV4L	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
94CNBB	PowerPlex® 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
996K74	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
9988KW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9B9FP8	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
9D3AGA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9DD8FY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

9FQLFF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
9HU927	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
9J9XZ3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9LFYG3	PowerPlex® 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
9NHWTV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9RJ29W	GlobalFiler™, Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
9WQM2Z	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

9WTD43	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9XM3DW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
9ZCDFB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	-----
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	-----	
A2NCC7	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
A3ET8Y	PowerPlex® 21					
	13,17.3	18,20		16,17	11,13	11,13
2	8,12	12,12		18,25	9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16					
A4MWQP	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
A6HPDV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

A7EV6N	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
A8QLGD	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
AB78XY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ABL92Z	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AC2RLX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AECFDB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AF6CZJ	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

AGR6KZ	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	n/a
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	n/a	n/a	21.2,24.2	8,9	9,10
	14,16	10	n/a	n/a	n/a	
AGX8GZ	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
AHKZ2H	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AHP7VY	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
AJZ9GX	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
AKCYFF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AKVQKK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

AL2H6K	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
AR2BUB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ARC6JJ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AUHUK7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
AVCKQL	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
AWCGC3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
B3ANWV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

B42MBU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
B6KFGX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
B6W9XT	PowerPlex® Fusion 5C, GlobalFiler™, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
B6XZW2	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
B79XAH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
B8LKXY	PowerPlex® Fusion, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
B9ZRDE	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

BA7DRD	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
BE7JNW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
BFZAUC	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
BJ34U2	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
BK8RY7	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
BK9P6V	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
BKMBH4	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					

TABLE 2

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

Item 2 - STR Results

BLALTX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
BQ2TB7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
C34R8H	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
C4NGLW	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
C98TDD	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CB3963	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CBFVCV	Identifiler®, Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

CCBCNR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CDM7BK	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
CEECHX	Identifiler® Direct					
		18,20		16,17	11,13	
2	8,12	12			9,12	12
	17,18	14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
CK7EQ4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CMVRLT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CPYAWH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
CRB4HA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

CT3DEW	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
CTWZW2	PowerPlex® 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
CUU26E	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
CWEE7U	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
CZ68TX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	NA
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	NA	NA	21.2,24.2	8,9	9,10
	14,16	10	NA	NA	2	
CZHT92	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
D6C6PJ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

D9AUMH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
DAMDWF	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
DD4T9T	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
DDLNR	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
DFPD6W	PowerPlex® Fusion, GlobalFiler™ (GeneMapper IDX)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
DGJ66A	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
DHC73K	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

DHHBNN	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
DJ62H2	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
DPVAAM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
DQ7BVL	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
DWBWZH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
DX6M6W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
DXCV7X	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

E722JV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EAKX6Z	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EBPHY3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ECJ96G	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
ECRF4W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EDJG28	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
EF4BVM	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

EM6D9Z	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EPZY2Q	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EQUP86	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ER29PE	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ETA9X2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
EWBFDX	PowerPlex® Fusion 6c Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
EWV3MF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

EX8K3E	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
EXRC7W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
F2JZXN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
F3UYXY	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
F6A36X	PowerPlex® Fusion 6c					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
F7CAYA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
F9346Q	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

F9E2ZU	Identifiler®, Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	N/A	
F9K98W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
F9L4WU	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
F9ZMGR	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
FA9WGC	PowerPlex® Fusion 6c					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
FAD7QP	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
FB8WW4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

FCYWA	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
FEUHM7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
FF3V68	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
FHNQGE	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
FKA9YY	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
FKWP39	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
FPRERT	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

FRFQQY	GlobalFiler™ (STRmix v2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
FT8QNA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
FVCNQP	Investigator® 24plex (STRMIX)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
FVX8J4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
FYVM2Y	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
FYY3GK	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
G3RQ7Q	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

G3VX3T	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
G4JHKH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
G4NXZ4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
G6ZPRK	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
G7NFMX	Identifiler®					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
G7V9W8	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
GA8EZT	GlobalFiler™ (GMIDX)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

GAMF2A	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
GBP6KX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
GC26HT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	2	
GE29XU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
GFGGEA	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
GGGC7R	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
GKAE6L	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

GMEB7F	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
GMX4XD	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
GMZKLC	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
GPBKNX	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
GQEL2F	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
GTAVKX	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
GTMN2T	Identifiler® Direct					
		18,20		16,17	11,13	
2	8,12	12			9,12	12
	17,18	14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					

TABLE 2

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

Item 2 - STR Results

GUDMFR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
GWLZXT	Identifiler® Direct					
		18,20		16,17	11,13	
2	8,12	12			9,12	12
	17,18	14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
GXWPC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
H34MCV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
H386FL	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
H4FHXM	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
HAT62R	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

HBD8ER	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
HBW6F7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HFYZKR	GlobalFiler™ (STR-mix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HHF2TT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HJTXWC	PowerPlex® Fusion (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
HJVCU7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HKPBUQ	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

HNQA3A	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
HPHFAN	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
HQFPER	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	2	
HQHEMU	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HT2KTJ	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
HTJFNR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HUC3EA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

HWKFVB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
HY66FN	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
J27R9J	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
J339KF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
J3ELQG	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
J3WZ8M	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
J4FN3N	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	NA
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	NA	

TABLE 2

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

Item 2 - STR Results

J69QJC	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
J6NYLK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
J7N3AU	GlobalFiler™ (STRmix 2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
J9CJJ3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
J9PVFL	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
JA4F7B	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JAME6U	GlobalFiler™ (STRmix v2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

JBEE36	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JBVF68	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JBZQAQ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JC83TM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JDH4EL	GlobalFiler™ Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JDNCRF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JEELN3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

JFNKWQ	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
JGHFBL	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
JGJ4ZC	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JHU86N	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JJ7RAR	PowerPlex® 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JJM4RW	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JMPWRM	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

JN3E2K	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JNRDFL	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JPXUFC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JR688C	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JVNG2A	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
JXB238	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
JY37AK	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

JYLD4	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
JZYD2D	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
K4V8ML	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
K63VCB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
K689Z8	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
K8B2ZX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KBQMHI	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

KGGTHE	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
KJTGAR	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KKWGN6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KMNG28	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
KRWR4A	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
KRY624	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KTFEZW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

KUL2DB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KV6LGM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
KVYL7L	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
KWAMRK	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
KX67V8	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
KYGRJM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
KYHQNG	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

KYL9VT	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
KYXYQP	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
KZCJJZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
L2JW22	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
L3H2KG	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
L4VTCX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
L86399	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				

TABLE 2

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

Item 2 - STR Results

L8B7BZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
LA8ZGF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	Not Tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	Not Tested	
LERWGR	GlobalFiler™ (STRmix v2.5)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
LF6B62	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
LFJXE3	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
LFY93A	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
LGH3WH	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

LHR6K3	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
LNXX9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
LP67W6	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
LQ3873	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
LQLD7T	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
LZ7FG9	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
M3DYCN	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

M46ZAY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
M6WEFN	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
M7BHAF	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
M86DNC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MAX634	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MB24UM	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MC4KHL	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

ME436F	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ME8KA7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MFUDUN	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	NA
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	NA	8,9	9,10
	14,16	10	NA	NA	NA	
MGDXK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MGQGVB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
MHLAHG	GlobalFiler™ (GMID-X)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MJ2AYQ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

MKCKP	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MKQWX8	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
MKUBV2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MLG4FH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	NT
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	NT	NT	21.2,24.2	8,9	9,10
	14,16	10	NT	NT	2	
MM2GJN	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MME6QG	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MME92J	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

MMHMV8	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MNCMGP	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MP6EFN	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	NA
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	NA	8,9	9,10
	14,16	10	NA	NA	NA	
MPLJXM	Investigator® 24plex (STRMix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MQ2RFN	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MQ2UWF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MQFG2M	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

MQWB4H	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
MT4QBN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MTKZ4P	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MTLVTM	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
MUETWM	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MW37UX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
MW428N	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

MWJGGJ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MWMVV6	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
MYPJP9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
MZPMCH	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
N393FH	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	not tested
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	not tested	
N3NDYN	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
N6DLAK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

N6ENMV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
N6U2Z8	GlobalFiler™ (TrueAllele)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
N7NR7L	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	NA
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	NA	8,9	9,10
	14,16	10	NA	NA	NA	
N9AAN7	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
NDMAMJ	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
NE48FH	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
NEWBQ6	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

NG6EFL	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
NHXAW4	GlobalFiler™ (STRmix v 2.4.06)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21,24.2	8,9	9,10
	14,16	10			2	
NNK7PK	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
NPFPT8	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
NQQGXG	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
NQXJUG	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
NR3D3L	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

NUUF6U	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
NWYWAQ	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
NZLHFK	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
P6RGHX	Investigator® 24plex GO!					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PBDHE3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PBVEYP	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
PDGB7F	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

PECUB3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PG4YVM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
PG6M7L	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PGGL3F	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PJCZVZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PK42TB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
PP37VV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

PQD9JF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PR3L2X	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PTDFR7	PowerPlex® Fusion (STRMix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
PTUQ8Q	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PUNGD6	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
PUTKFW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PV227E	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

PVNDYL	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PWEBJL	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PWGEWW	Investigator® 24plex GO! (TrueAllele)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
PX92MF	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
PYJ9JF	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
PZFN9K	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
PZYCQE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

Q3M8QT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
Q4BT9H	Investigator® 24plex (STRMix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
Q6P2QJ	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
Q9AVLX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
QAXKC6	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
QB8PRE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
QC6UU2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

QKE8PC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
QMHCY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	NT
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	NT	NT	21.2,24.2	8,9	9,10
	14,16	10	NT	NT	2	
QNFGNK	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
QQRUTG	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
QR6LMJ	Identifiler® Plus, PowerPlex® Fusion 6C, MiniFiler					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
QTFNAH	PowerPlex® Fusion 6C Direct					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
QTWLKU	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

QV38BF	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
QXQJAL	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
R22XBW	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
R2G9Y4	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
R2XKC3	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
R4CVNE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
R6LWFE	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

R7C3UJ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
R8M6H4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
R8R9KV	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RACF9W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RCY4X4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
RDEDWV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
REL8H	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

RGEC13	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
RJ2VKF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RJ6LNG	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
RKGCLZ	GlobalFiler™ (GeneMapper)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RMD6A4	GlobalFiler™ (TrueAllele)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RULBHF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RVF2NV	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

RWN8V4	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
RYVM7G	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RZAXDL	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RZMHTP	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
RZNFYE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
T6UJBX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
T6YUFH	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

T7BPN3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
T8MFX8	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
TABN89	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
TAMTCJ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TAQBGA	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
TB4KUG	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
TDTVKA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

TEA2AZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TFHDQ2	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TFZEFP	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TGAHYE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
THPQEU	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
TJW3ZC	PowerPlex® ESX17, ESI17Pro, 21					
	13,17.3	18,20	11,14	16,17	11,13	11,13
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16					
TKV9DQ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

TP4QHK	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
TQVM7E	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TQWGMY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TR7BJY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TRBRWP	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TRQ3JB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TRUQUN	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

TT32DK	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
TUKWBE	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
TUWRJY	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TW6PLG	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TXD7CY	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
TXGJ7M	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TXW4DD	PowerPlex® Fusion, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

TXZFPA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
TY6XBY	GlobalFiler™ (STRmix v2.4.06)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
U3MN3F	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
U3P4PD	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
U4JUVT	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
U7PG6Q	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
U9RA7C	PowerPlex® Fusion 6C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	Not tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	

TABLE 2

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

Item 2 - STR Results

UAQFRC	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UEZJQR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UEZTAB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UHMBNF	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,16				8,9	9,10
	14,16					
UN39YF	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
UQEPEE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UUEWYC	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

UV8V2G	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UVPUDU	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
UWMZV9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UXUJBW	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
UYN9XX	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
UZ3KNF	PowerPlex® ESX 16 Fast					
	13,17.3	18,20	11,14	16,17		
2		12,12	13,16	18,25		12,12
	17,18	14,14	29,32.2	16,16	X,Y	
	21,26				8,9	
	14,16					
V49UVB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

V4D7J8	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
V6QNWK	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
V7KE3Y	PowerPlex® Fusion					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
V8VDW9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VAKPWD	PowerPlex® Fusion, GlobalFiler™ (GenMapper)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
VC6JQT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VCAVPB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

VDNBWX	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
VECR4K	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
VHZ6YA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VJ8JCG	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
VJB7QA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VLDYRZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VMACC8	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

VMLFGH	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
VMQT6E	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
VN4BEC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VQVATB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VR83MD	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VRJNBT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
VRNZYP	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

VU7GVA	PowerPlex® Fusion 6C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	Not Tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
VX8KPH	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
VYYGDC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
W6EM3U	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
W94T4E	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
W97J7G	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WAEYXU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

WCHHAA	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
WCLV3W	PowerPlex® Fusion 6C, Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
WD2D4H	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WDWRHA	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
WGDGGD	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WJ69TJ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WJN4QD	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

WKC3B	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WKYYYX	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	INC				
WMNG6P	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
WNZ3T7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WQQA7F	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WT7VLF	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WVXRAA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

WWDZQP	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
WWRFWC	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
WZAMBD	PowerPlex® Fusion, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
WZCFWR	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
WZN7UB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
WZTL8B	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
X3VPPP	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

X83J4T	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
X8AKCE	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
X9GRLU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
XA9WU8	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
XB64LZ	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
XBAG9W	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
XDLACB	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

XGWB49	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
XNPTA4	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	Not Tested
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	Not Tested	
XP739W	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
XRGVCC	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	2	
XRUE93	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
XT69UU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
XVW89T	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

XW986M	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
XWCKYB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
XXZUV6	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
Y3AKKW	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
Y3RKP8	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
Y6W9UB	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
YATQG4	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				

TABLE 2

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

Item 2 - STR Results

YCWQB9	PowerPlex® Fusion 6C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19	2	
YEHGAR	Identifiler® AmpFLSTR™ PCR Amplification Kit					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
YENHPZ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
YFVXW7	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
YGQGZT	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YJEW8F	Identifiler® Plus					
		18,20		16,17	11,13	
2	8,12	12,12			9,12	12,12
	17,18	14,14	29,32.2		X,Y	11,12
	21,26				8,9	9,10
	14,16					
YJCM2	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

YJYV8Y	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
YKCBP7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YKQRU8	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
YNCMK7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YPLQ2B	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YQDVAP	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YQZYJC	GlobalFiler™ Express					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

YR96T7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YRRYGM	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YT4U3F	GlobalFiler™ (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YV8FN7	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YXBB8A	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YXLRVC	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
YXUZP4	GlobalFiler™ (BulletProof)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	

TABLE 2

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

Item 2 - STR Results

YYU9LU	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
YZL9KQ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
Z2CK7H	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
Z2CPGK	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
Z4Z2FQ	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
Z62W6N	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
Z78JEL	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

ZAQFZQ	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ZCFP98	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZDPK3B	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ZE2P8M	Investigator® 24plex QS					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZEXWL9	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ZEYUQ3	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ZFHLZM	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

ZGLJ33	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZHCQ26	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ZHHYCY	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ZMA7X8	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZQJWGA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ZQRDBA	PowerPlex® Fusion 5C, GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10			2	
ZR3C84	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		

TABLE 2

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

Item 2 - STR Results

ZR466C	PowerPlex® Fusion 5C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	9,11	7,10		8,9	9,10
	14,16	10				
ZR8RK4	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ZRCXEL	PowerPlex® Fusion 6C					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12	13,16	18,25	9,12	12
	17,18	14	29,32.2	16	X,Y	11,12
	21,26	9,11	7,10	21.2,24.2	8,9	9,10
	14,16	10	17	19		
ZUBHT6	Investigator® 24plex (STRmix)					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZUC76N	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10			2	
ZUVY98	Investigator® 24plex					
	13,17.3	18,20	11,14	16,17	11,13	
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26			21.2,24.2	8,9	9,10
	14,16	10				
ZZKPJA	GlobalFiler™					
	13,17.3	18,20	11,14	16,17	11,13	N/A
2	8,12	12,12	13,16	18,25	9,12	12,12
	17,18	14,14	29,32.2	16,16	X,Y	11,12
	21,26	N/A	N/A	21.2,24.2	8,9	9,10
	14,16	10	N/A	N/A	2	

TABLE 2

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

Item 3 - STR Results

237Q33	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
23Q8H6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
24D83T	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
24FKZM	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
26U329	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
272FCU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
27HMJX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

27M3YJ	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
29V7VF	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
2DKM6K	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2EWJD7	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
2FTX4A	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2GZAM7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no result			no result	
2HWUA7	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

2JCXEJ	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2LJDNB	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
2LUDB4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not Tested	Not Tested	20,27.2	7,7	8,8
	15,16	No Results	Not Tested	Not Tested	No Results	
2M9J42	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2N438M	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2NL8BU	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
2NX763	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

2PE4UL	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2PE96N	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2PYPKR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
2QUDWV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
2VJZF8	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
2WUWW6	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
2XWDK4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

2YGPGM	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
2ZCYZ4	PowerPlex® Fusion 6C, GlobalFiler™, GLOBALFILER Express (GENEMAPPER ID-X 1.4)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2ZZDCN	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
33ZV2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
34DERR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
38A49Y	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
38DQNR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

3AWPY2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
3CRAY8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3DZKH6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3EETZ6	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3EWNKR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3FM98B	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3GUJQ9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

3HV6XL	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3KHXG4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
3	10,14	10,14	{15,16}	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not Tested	Not Tested	20,27.2	7,7	8,8
	15,16	No Results	Not Tested	Not Tested	No Results	
3LQ7N3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
3PPCAZ	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3Q8BKC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3Q9CFB	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
3QKZL4	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

3TDN97	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
3TGKLA	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3U4ZWH	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3VGN3B	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
3VVM8	PowerPlex® Fusion 5C, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
3X8LXW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
3XQHE3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

43WQX4	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
43XE93	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4697R6	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
46FLL6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
47ET24	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
47WTVT	PowerPlex® Fusion 6C (STRMix v2.5.11)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
4BN6N4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

4CHYF7	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	ND	ND	ND		
4D3BL7	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
3	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4DCCD7	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4DCGN9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4E7AG8	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
4EMJA8	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4EQ7PZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	

TABLE 2

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

Item 3 - STR Results

4EQYPU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4FY6XN	PowerPlex® Fusion 6C, NGM Detect					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4GUU9W	Investigator® 24plex (STR mix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4GYZ3D	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
3	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
4H6UBH	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4J3ZUX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
4MZCK4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		

TABLE 2

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

Item 3 - STR Results

4PQHE2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4TEUD7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4UJTY	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4UZRB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
4VBRDX	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
4W2ZDZ	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
4W78PU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

4X8WFK	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
4Z7JLU	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
62YKD4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
644D6G	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
69EJA3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
69JQ4J	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,Y	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16		N/A	N/A	N/A	
6B6LFQ	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

6E7KYV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6ENGE2	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6GFFTZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6JFXGU	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
6P8Y89	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6QH3CK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
6TJXA2	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	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 3 - STR Results

6V7RQ3	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
6VA4N7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
6VQB XV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
6YNY44	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6YWKD8	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
72F3PN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
76B2XR	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

79T2BM	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
7A7T44	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7AT6WB	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
7BTLNK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7CDB2Y	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
7EM7W4	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
7GRLGN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

7HLHR4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
7JHPE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7JUFGE	GlobalFiler™ (STRmix™)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
7LMFEP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
7N3Y6L	GlobalFiler™ (STRmix version 2.4.06)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no result			no result	
7QGHB3	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
7RT29E	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NR
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NR	NR	20,27.2	7	8
	15,16	NR	NR	NR	NR	

TABLE 2

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

Item 3 - STR Results

7UP2WN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7WWZP7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
7Z2RT6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
82B2JG	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
82NPPA	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
832C8N	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
87X389	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

88KCH3	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
89CDED	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
8ALHT2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8ANY3U	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8B3EK2	PowerPlex® Fusion 5C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
8CCNBD	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
8CW6QF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

8ECQ92	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8EVP6Z	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8FX7TY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8PDEZY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8PTTAT	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
8QN9LQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
8R2LN2	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

8R79R2	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
8TF8ZN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
8TY9PC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NR
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NR	NR	20,27.2	7	8
	15,16	NR	NR	NR	NR	
8V23P3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	ND	ND	ND		
8VMKNH	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8XDFUY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
8ZDWGT	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

93TV4L	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
94CNBB	PowerPlex® 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
996K74	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
9988KW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
9B9FP8	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
9D3AGA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					
9DD8FY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

9FQLFF	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
9HU927	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	[10],14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NT				
9J9XZ3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
9LFYG3	PowerPlex® 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
9NHWTV	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
9RJ29W	GlobalFiler™, Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
9WQM2Z	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No results			No results	

TABLE 2

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

Item 3 - STR Results

9WTD43	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
9XM3DW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
A2NCC7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
A3ET8Y	PowerPlex® 21					
	15,16.3	20,23		14,18	12,12	18,21.3
3	10,14	10,14		17,18.3	12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
A4MWQP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
A6HPDV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
A7EV6N	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

A8QLGD	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
AB78XY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ABL92Z	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
AC2RLX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
AECFDB	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
AGR6KZ	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	n/a
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	n/a	n/a	20,27.2	7,7	8,8
	15,16	n/a	n/a	n/a	n/a	
AGX8GZ	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

AHKZ2H	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AHP7VY	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AJZ9GX	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AKCYFF	GlobalFiler™, MiniFiler					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
AKVQKK	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AL2H6K	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
AR2BUB	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

ARC6JJ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
AUHUK7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
AVCKQL	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
AWCGC3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
B3ANWV	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
B42MBU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
B6KFGX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

B6XZW2	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
B79XAH	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
B8LKXY	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
B9ZRDE	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
BA7DRD	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
BE7JNW	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
BFZAUC	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

BJ34U2	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
BK8RY7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
BK9P6V	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
BKMBH4	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
BLALTX	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
BQ2TB7	Identifiler® Plus, MiniFiler					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
C34R8H	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	

TABLE 2

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

Item 3 - STR Results

C4NGLW	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
C98TDD	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
CB3963	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CBFVCV	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR				
CCBCNR	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
CDM7BK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
CEECHX	Identifiler® Plus					
		20,23		14,18	12	
3	10,14	10,14			12	12
	17	14,15	30,35		X,X	12,13
	21,24				7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

CK7EQ4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CMVRLT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CPYAWH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CRB4HA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
CT3DEW	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
CTWZW2	PowerPlex® 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
CUU26E	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

CWEE7U	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
CZ68TX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	NA
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	NA	NA	20,27.2	7,7	8,8
	15,16	NA	NA	NA	NA	
CZHT92	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
D6C6PJ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
D9AUMH	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
DD4T9T	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
DFPD6W	PowerPlex® Fusion, GlobalFiler™ (GeneMapper IDX)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

DGJ66A	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
DHC73K	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
DHHBNN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
DJ62H2	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
DPVAAM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
DQ7BVL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
DWBWZH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

DX6M6W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					
DXCV7X	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
E722JV	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EAKX6Z	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EBPHY3	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ECJ96G	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
ECRF4W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

EDJG28	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
EF4BVM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
EM6D9Z	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EPZY2Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EQUP86	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ETA9X2	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8
	15,16					
EWBFDX	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

EWW3MF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
EX8K3E	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
EXRC7W	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F2JZXN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F3UYXY	PowerPlex® Fusion 5C					
	15,16.3	[20],23	10	14,18	12	
	10,[14]	[10],14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,[12]	12		7	8
	15,16	NT				
F6A36X	PowerPlex® Fusion 6c					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
F7CAYA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

F9346Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9E2ZU	Identifiler®, Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
F9K98W	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9L4WU	Investigator® 24plex (STRMIX)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
F9ZMGR	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FA9WGC	PowerPlex® Fusion 6c					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
FAD7QP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

FB8WW4	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
FCYVA	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
FEUHM7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
FF3V68	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FHNQGE	PowerPlex® Fusion (STRMix v.2.4.08)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
FKA9YY	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
FKWP39	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

FPRERT	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
FRFQQY	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
FT8QNA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
FVCNQP	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FVX8J4	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
FYYM2Y	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
FYY3GK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

G3RQ7Q	GlobalFiler™ (STRmix 2.4)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Result			No Result	
G3VX3T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
G4JHKH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
G4NXZ4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
G6ZPRK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
G7NFMX	Identifiler®					
		20,23		14,[17],18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				[6],7,7	8,8
	15,16					
G7V9W8	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

GA8EZT	GlobalFiler™ (GMIDX)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GAMF2A	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
GC26HT	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
GE29XU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
GFGGEA	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GKAE6L	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
GMEB7F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

GMX4XD	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
GPBKNX	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GQEL2F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
GTAVKX	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GTMN2T	Identifiler® Plus					
		20,23		14,18	12	
3	10,14	10,14			12	12
	17	14,15	30,35		X,X	12,13
	21,24				7	8
	15,16					
GUDMFR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GWLZXT	Identifiler® Plus					
		20,23		14,18	12	
3	10,14	10,14			12	12
	17	14,15	30,35		X,X	12,13
	21,24				7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

GXWPC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
H34MCV	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
H386FL	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
H4FHXM	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HAT62R	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
HBD8ER	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HBW6F7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

HFYZKR	GlobalFiler™ (STR-mix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HHF2TT	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HJTXWC	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
HJVCU7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HKPBUQ	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
HNQA3A	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
HPHFAN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

HQFPER	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
HQHEMU	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HT2KTJ	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HTJFNR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HUC3EA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
HWKFVB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
HY66FN	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

J27R9J	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
J339KF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J3WZ8M	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24	11,12	12		7	8
	15,16					
J4FN3N	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	NA
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NA	NA	NA	NA	
J69QJC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J7N3AU	GlobalFiler™ (STRmix 2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
J9CJJ3	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

J9PVFL	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JA4F7B	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JAME6U	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
JBEE36	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JBVF68	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JBZQAQ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
JC83TM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

JDH4EL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	N/D			N/D	
JDNCRF	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JEELN3	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JFNKWQ	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JGHFBL	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	NR				
JGJ4ZC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
JHU86N	GlobalFiler™ (STRmix 2.4)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	

TABLE 2

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

Item 3 - STR Results

JJ7RAR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
JJM4RW	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JMPWRM	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JN3E2K	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JNRDFL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
JPXUFC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JR688C	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

JVNG2A	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
JXB238	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
JY37AK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16	-	-	-		
JYLD4	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results				
JZYD2D	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
K4V8ML	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
K63VCB	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

K689Z8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
K8B2ZX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
KBQMHI	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	---			---	
KGGTHE	PowerPlex® Fusion 6C (STRMIX)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
KJTGAR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
KKWGN6	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
KRWR4A	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

KRY624	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
KTFEZW	Identifiler® Plus, MiniFiler, LCN ID+					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
KUL2DB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	---			---	
KV6LGM	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
KVYL7L	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
KWAMRK	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
KX67V8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

KYGRJM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
KYHQNG	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
KYL9VT	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
KYXYQP	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
KZCJJZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
L2JW22	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
L3H2KG	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

L4VTCX	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
L86399	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
L8B7BZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
LERWGR	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
LF6B62	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LFJXE3	Investigator® 24plex QS (STRMix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LFY93A	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	

TABLE 2

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

Item 3 - STR Results

LGH3WH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
LHR6K3	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LNXX9	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LP67W6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LQ3873	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
LQLD7T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
LZ7FG9	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

M3DYCN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
M46ZAY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
M6WEFN	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NID	NID	NID		
M7BHAF	GlobalFiler™ (STRmix)					
	14,15,16.3	20,22,23	9,10	13,14,17,18	11,12	
3	10,13,14	9,10,13,14	14,15,16	17,18.3	11,12	11,12
	16,17	14,15	29,30,34,35	14,15	X	12,13
	20,21,23,24			19,20,26.2,27.2	7	8
	14,15,16					
M86DNC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MAX634	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MB24UM	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

MC4KHL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ME436F	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ME8KA7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MFUDUN	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	NA
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	
MGDXYK	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MGQGVB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
MHLAHG	GlobalFiler™ (GMID-X)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

MJ2AYQ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MKCKP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MKQWX8	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
MKUBV2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MLG4FH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	NT
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	NT	NT	20,27.2	7	8
	15,16	NR	NT	NT	NR	
MM2GJN	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-				
MME6QG	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

MME92J	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
MMHMV8	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MNCMGP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MP6EFN	PowerPlex® Fusion 5C, MiniFiler					
	15,16.3	20,23	10	14,18	12	NA
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	
MPLJXM	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MQ2RFN	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-				
MQ2UWF	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,17,18	11,12	
3	10,14	9,10,14	15,16	17,18.3	11,12	11,12
	16,17	14,15	30,35	14,15	X	12,13
	21,23,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

MQWB4H	PowerPlex® 16 HS					
				14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,*		30,35		X,X	12,*
	21,24	11,12	12,12		7,7	8,8
	15,16					
MT4QBN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MTKZ4P	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MTLVTM	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MW428N	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
MWJGGJ	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
MWMVV6	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

MYPJP9	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
MZPMCH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
N3NDYN	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
N6DLAK	GlobalFiler™ (STRmix v.2.4)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	
N6ENMV	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
N6U2Z8	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
N7NR7L	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	NA
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	NA	7	8
	15,16	NR/NE	NA	NA	NA	

TABLE 2

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

Item 3 - STR Results

N9AAN7	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
NDMAMJ	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
NE48FH	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
NEWBQ6	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
NG6EFL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
NHXAW4	GlobalFiler™ (STRmix v 2.4.06)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
NNK7PK	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

NPFPT8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
NQQGXG	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
NQXJUG	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
NR3D3L	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
NUUF6U	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
NWYWAQ	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
NZLHFK	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

P6RGHX	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PBDHE3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PBVEYP	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
PDGB7F	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PECUB3	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PG4YVM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PG6M7L	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

PGGL3F	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PJCZVZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PK42TB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PP37VW	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PQD9JF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PR3L2X	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PTDFR7	PowerPlex® Fusion (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

PTUQ8Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PUNGD6	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
PUTKFW	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
PV227E	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
PVNDYL	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PWGEWW	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR				
PX92MF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	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 3 - STR Results

PYJ9JF	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
PZFN9K	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
PZYCQE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q3M8QT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q6P2QJ	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Q9AVLX	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QAXKC6	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

QB8PRE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
QC6UU2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
QKE8PC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
QMHCY	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	NT
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	NT	NT	20,27.2	7,7	8,8
	15,16	NR	NT	NT	NR	
QNFGNK	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NID	NID	NID		
QQRUTG	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QR6LMJ	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

QTFNAH	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QTWLKU	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QV38BF	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
QXQJAL	PowerPlex® Fusion 6C (STRmix v 2.6.2)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NID	NID	NID		
R22XBW	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R2G9Y4	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
R2XKC3	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				

TABLE 2

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

Item 3 - STR Results

R4CVNE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R6LWFE	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R7C3UJ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
R8M6H4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
R8R9KV	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
RACF9W	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
RCY4X4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

RDEDWV	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
REL8H	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RGEL3	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RJ2VKF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RJ6LNG	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
RKGCLZ	GlobalFiler™ (GeneMapper)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
RMD6A4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

RULBHF	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RVF2NV	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
RWN8V4	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RYVM7G	GlobalFiler™ (STRmix 2.4)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No results			No results	
RZAXDL	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NSD			NSD	
RZMHTP	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
RZNFYE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

T7BPN3	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	--			--	
T8MFX8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TABN89	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TAMTCJ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TAQBGA	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TB4KUG	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TEA2AZ	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

TFHDQ2	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TFZEFP	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TGAHYE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	inc	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
THPQEU	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TJW3ZC	PowerPlex® ESX17, ESI17Pro, 21					
	15,16.3	20,23	10	14,18	12	18,21.3
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TKV9DQ	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TP4QHK	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

TQVM7E	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TQWGMY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
TR7BJY	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TRBRWP	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TRQ3JB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
TRUQUN	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
TT32DK	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

TUKWBE	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TUWRJY	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
TW6PLG	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
TXGJ7M	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
TXW4DD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TXYFPA	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
TY6XBY	GlobalFiler™ (STRmix v2.4.06)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no results			no results	

TABLE 2

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

Item 3 - STR Results

U3MN3F	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
U3P4PD	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
U4JUVT	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
U7PG6Q	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
U9RA7C	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not tested
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not tested	Not tested	20,27.2	7,7	8,8
	15,16	NR	Not tested	Not tested	NR	
UAQFRC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16	NM			NM	
UEZJQR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

UEZTAB	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UHMBNF	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
UN39YF	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
UQEPEE	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UUEWYC	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
UV8V2G	GlobalFiler™ (STRmix v2.5)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
UVPUDU	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

UWMZV9	GlobalFiler™ (STRmix)					
	14,15,15.3,16.3	19,20,23	9,10	13,14,17,18	11,12	
3	9,10,13,14	9,10,13,14	14,15,16	17,17.3,18.3	11,12	11,12
	16,17	13,14,15	29,30,34,35	14,15,16	X	11,12,13
	20,21,23,24			19,20,26.2,27.2	7	8
	15,16					
UXUJBW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
UYN9XX	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
UZ3KNF	PowerPlex® ESX 16 Fast					
	15,16.3	20,23	10,10	14,18		
3		10,14	15,16	17,18.3		12,12
	17,17	14,15	30,35	15,15	X,X	
	21,24				7,7	
	15,16					
V49UVB	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
V4D7J8	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
V6QNWK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

V7KE3Y	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
VAKPWD	PowerPlex® Fusion, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
VC6JQT	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
VCAVPB	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VDNBWX	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VHZ6YA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VJ8JCG	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

VJB7QA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
VLDYRZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VMACC8	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VMLFGH	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,[15]	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					
VMQT6E	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
VN4BEC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
VQVATB	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

VR83MD	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
VRJNBT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
VRNZYP	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
VU7GVA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	Not Tested
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	Not Tested	Not Tested	20,27.2	7,7	8,8
	15,16	No Results	Not Tested	Not Tested	No Results	
VX8KPH	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
VYYGDC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
W6EM3U	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

W94T4E	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
W97J7G	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WAEYXU	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WCHHAA	Investigator® 24plex					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	ND				
WCLV3W	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WD2D4H	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WDWRHA	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

WGDGGD	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X,X	12,13
	21,24			20,27.2	7	8
	15,16					
WJ69TJ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WJN4QD	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	
WKCN3B	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WKYYYY	PowerPlex® Fusion 5C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
WMNG6P	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WNZ3T7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

WQQA7F	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WT7VLF	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
WVXRAA	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WWDZQP	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WWRFC	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
WZAMBD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WZCFWR	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

WZN7UB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WZTL8B	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	no result			no result	
X3VPPP	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
X83J4T	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	
X8AKCE	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
XA9WU8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
XB64LZ	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

XBAG9W	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
XGWB49	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XP739W	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
XRGVCC	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	N/A	N/A	N/A	N/A	
XRUE93	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
XT69UU	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
XVW89T	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

XW986M	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
XWCKYB	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
XXZUV6	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No Results			No Results	
Y3AKKW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
Y3RKP8	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Y6W9UB	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16	NR	NR	NR		
YATQG4	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

YCWQB9	PowerPlex® Fusion 6c, GlobalFiler™ (LRmix Studio 2.3.1)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YEHGAR	Identifiler® AmpFLSTR™ PCR Amplification Kit					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
YENHPZ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YFVXW7	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YGQGZT	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YJEW8F	Identifiler® Plus					
		20,23		14,18	12,12	
3	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
YJCM2	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

YJYV8Y	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
YKCBP7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YKQRU8	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YNCMK7	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YPLQ2B	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YQDVAP	GlobalFiler™ (STRmix 2.4)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	Not detected			Not detected	
YQZYJC	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	NR			NR	

TABLE 2

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

Item 3 - STR Results

YR96T7	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YRRYGM	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16	-			-	
YT4U3F	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YV8FN7	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YXBB8A	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
YXLRVC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
YXUZP4	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,12,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	4,7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

YYU9LU	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
YZL9KQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Z2CK7H	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z2CPGK	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z4Z2FQ	Investigator® 24plex QS					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Z62W6N	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
Z78JEL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

ZAQFZQ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZCFP98	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZDPK3B	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZE2P8M	Investigator® 24plex QS					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZEXWL9	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
ZEYUQ3	GlobalFiler™ (STRmix)					
	15,16.3	20,23	9,10	14,17,18	11,12	
3	10,13,14	9,10,13,14	15,16	17,18.3	11,12	12
	16,17	13,14,15	29,30,35	14,15	X	12,13
	20,21,23,24			19,20,26.2,27.2	7	8
	15,16					
ZFHLZM	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 3 - STR Results

ZGLJ33	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZHCQ26	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZHHYXY	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
ZMA7X8	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZQJWGA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZQRDBA	PowerPlex® Fusion 5C, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZR3C84	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3 - STR Results

ZR466C	PowerPlex® Fusion 5C					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
ZR8RK4	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	-			-	
ZRCXEL	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10	14,18	12	
3	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZUBHT6	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZUC76N	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	No result			No result	
ZUVY98	Investigator® 24plex					
	15,16.3	20,23	10,10	14,18	12,12	
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16					
ZZKPJA	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	N/A
3	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	N/A	N/A	20,27.2	7,7	8,8
	15,16	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 3e - STR Results

2FNGR4	PowerPlex® Fusion 6C (DNA VIEW)					
	15,16.3	20,23	10,10	14,18	12,12	
3e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
78GJVN	GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
3e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
J3ELQG	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10	14,18	12	
3e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
PWEBJL	Investigator® 24plex (STRmix)					
	15,16.3	20,23	10	14,18	12	
3e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
Q4BT9H	Investigator® 24plex (STRMix)					
	15,16.3	20,23	10	14,18	12	
3e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
T6UJBX	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	ND			ND	
T6YUFH	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
3e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 3e - STR Results

VECR4K	Identifiler® Plus					
		20,23		14,18	12,12	
3e	10,14	10,14			12,12	12,12
	17,17	14,15	30,35		X,X	12,13
	21,24				7,7	8,8
	15,16					
X9GRLU	GlobalFiler™					
	15,16.3	20,23	10,10	14,18	12,12	
3e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	ND			ND	
XDLACB	GlobalFiler™ (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
3e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24			20,27.2	7,7	8,8
	15,16	NR			NR	

TABLE 2

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

Item 3sp - STR Results

2FNGR4 PowerPlex® Fusion 6C (DNA VIEW)

3sp

78GJVN GlobalFiler™

	15,16.3	20,23	10	14,18	12	
3sp	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	24			20,27.2	7	8
	15,16					

J3ELQG GlobalFiler™ (STRmix)

3sp

PWEBJL Investigator® 24plex (STRmix)

	15	20,23	10	14,18	12	
3sp	14	10,14	15,16	17,18.3	12	12
	17	14,15	30	15	X	12,13
	24			20,27.2	7	8
	15,16					

Q4BT9H Investigator® 24plex (STRMix)

	15,16.3		10	14,18	12	
3sp	14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
				20,27.2		8
	15,16					

T6UJBX GlobalFiler™

	[16.3]	ND	[10]	ND	[12]	
3sp	[10]	[10]	ND	ND	[12]	[12]
	[17]	[14]	ND	[15]	[X]	ND
	ND			ND	[7]	[8]
	ND	ND			ND	

T6YUFH PowerPlex® Fusion 6C

3sp

TABLE 2

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

Item 3sp - STR Results

VECR4K Identifiler® Plus

3sp

X9GRLU GlobalFiler™

	ND	ND	ND	ND	ND	
3sp	ND	ND	ND	ND	ND	ND
	ND	ND	ND	[15]	ND	ND
	ND			ND	ND	ND
	ND	ND			ND	

XDLACB GlobalFiler™ (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 4 - STR Results

237Q33	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2EWJD7	PowerPlex® 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,[13]	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,[Y]	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,[11]
	14,15,16	11				
3FM98B	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
4W2ZDZ	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
8R2LN2	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
8XDFUY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
9NHWTV	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4 - STR Results

AKCYFF	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
CB3963	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
E722JV	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,13,14	14,[17],18	12,[13]	
4	8,10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,21,24	[8],12	[11],12
	[12],[15],17	13,14,15,16	30,32.2,35	15,[16],[17]	X,[Y]	10,12,13
	18,21,22,24			20,27.2,[28.2],[37]	5,7,8	8,[11]
	[14],15,16	[11]			[2]	
EM6D9Z	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,17	14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,24			20,27.2,37	5,7,8	8
	15,16	11			2	
F2JZXN	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
F9346Q	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
FA9WGC	PowerPlex® Fusion 6c					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4 - STR Results

FCYWA	PowerPlex® Fusion					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
FYVM2Y	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
GAMF2A	PowerPlex® Fusion					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,17		5,7,8	8,11
	14,15,16	11				
GPBKNX	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
GTAVKX	GlobalFiler™ (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,17	14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JN3E2K	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8,11
	14,15,16	11			2	
JY37AK	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4 - STR Results

KYXYQP	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MFUDUN	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
4	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
MP6EFN	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
4	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
N7NR7L	PowerPlex® Fusion 5C					
	INC	INC	INC	INC	INC	NA
4	INC	INC	INC	INC	INC	INC
	INC	INC	INC	INC	INC	INC
	INC	INC	INC	NA	INC	INC
	INC	INC	NA	NA	NA	
PZYCQE	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
R4CVNE	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TJW3ZC	PowerPlex® ESX17, ESI17Pro, 21					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	13,16,18,21.3
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16					

TABLE 2

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

Item 4 - STR Results

VQVATB	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WD2D4H	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WDWRHA	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
YEHGAR	Identifiler® AmpFLSTR™ PCR Amplification Kit					
		20,22,23,24		14,17,18	12,13	
4	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
YKCBP7	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	
YNCMK7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YT4U3F	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4	8,10,14	10,12,13,14	15,16,17	17,18.3,21,24	8,12	11,12
	12,17	14,15,16	30,32.2,35	15,17	X,Y	12,13
	18,21,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

23Q8H6	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
24D83T	PowerPlex® Fusion (STRmix v2.4.08)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
24FKZM	GlobalFiler™					
	15,16.3	20,22,23	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3	12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
26U329	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
272FCU	GlobalFiler™					
	15,(15.3,16),16.3	20,(22),23,(24)	10,(13,14)	14,(17),18	12,(13)	
4e	(8),10,14	10,(12,13),14	(13),15,16,(17)	17,18.3,(21,24)	(8),12	(11),12
	(12,15),17	(13),14,15,(16)	30,(32.2),35	15,(16,17)	X,(Y)	(10),12,13
	(18),21,(22),24			20,27.2,(28.2,37)	(5),7,(8)	8,(11)
	(14),15,16	11			2	
27HMJX	PowerPlex® Fusion 6C (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	15,16	11	17	18		
27M3YJ	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

29V7VF	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
2DKM6K	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
2FNGR4	PowerPlex® Fusion 6C (DNA VIEW)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
2FTX4A	(STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2GZAM7	GlobalFiler™ (STRmix 2.4)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2HWUA7	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2JCXEJ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

2LJDNB	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2LUDB4	GlobalFiler™					
	15,15.3,16,16.3*	20,22,23,24*	10,13,14	14,17,18	12,13	Not Tested
4e	8,10,14*	10,12,13,14	13,15,16,17*	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24*	Not Tested	Not Tested	20,27.2,28.2,37*	5,7,8	8,11
	14,15,16	11	Not Tested	Not Tested	2	
2M9J42	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2N438M	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
2NL8BU	PowerPlex® Fusion					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
2NX763	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2PE4UL	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

2PE96N	Investigator® 24plex QS (STRmix)					
	14,15,15.3,16,16.3	19,20,22,23,24,Q	10,13,14	14,16,17,18	11,12,13	
4e	8,9,10,13,14,Q	10,12,13,14	13,14,15,16,17	17,18.3,21,24	8,11,12	11,12,13
	12,15,17	13,14,15,16	29,30,32.2,34,35	14,15,16,17	X,Y	10,11,12,13
	18,20,21,22,23,24			19,19.2,20,26.2,27.2 7.2,28.2,37	5,7,8	7,8,11
	14,15,16	11				
2PYPKR	GlobalFiler™					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	15,16	17,18.3,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X	12,13
	18,21,22,24			20,27.2	5,7,8	8,11
	15,16	11				
2QUDWV	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
2VJZF8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
2WUWW6	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	15,16,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
2XWDK4	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
2YGPGM	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

2ZCYZ4	PowerPlex® Fusion 6C, GlobalFiler™ (GENEMAPPER ID-X 1.4)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
2ZZDCN	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
33ZV2	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
34DERR	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
38A49Y	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
38DQNR	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3AWPY2	GlobalFiler™					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	10,14	10,12,13,14	15,16	17,18.3	8,12	11,12
	12,17	13,14,15,16	30,35	15,16	X,Y	12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8,8
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

3CRAY8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3DZKH6	GlobalFiler™					
	15,15.3,[16],16.3	20,22,23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	5,7,[8]	8,[11]
	[14],15,16	[11]			[2]	
3EETZ6	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	12,12
	[12],[15],17	14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
3EWNKR	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
3GUJQ9	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
3HV6XL	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3KHGX4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	Not Tested
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	Not Tested	Not Tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not Tested	Not Tested	2	

TABLE 2

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

3LQ7N3	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3PPCAZ	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
3Q8BKC	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3Q9CFB	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3QKZL4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
3TDN97	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15	30,32.2,35	15,16,17	X	10,12,13
	18,21,22,24			20,27.2	5,7,8	8,11
	14,15,16	11				
3TGKLA	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

3U4ZWH	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
3VGN3B	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,X / X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
3VVM8	PowerPlex® Fusion 5C, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
3X8LXW	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
3XQHE3	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
43WQX4	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
43XE93	Investigator® 24plex (STRmix)					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

4697R6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16.3	20,22,23	10,13,14	14,17,18	11,12	
4e	10,14	10,13,14	15,16	17,18.3	12	11,12
	16,17	13,14,15,16	30,35	14,15,16	X	12,13
	18,21,22,24	11,12	12	20,27.2	5,7	8
	14,15,16					
46FLL6	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
47ET24	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
47WTVT	PowerPlex® Fusion 6C (STRMix v2.5.11)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
4BN6N4	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21]	[8],12	[11],12
	[12,15],17	[13],14,15	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
4CHYF7	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	XX,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]	20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]	[17]	[18]		
4D3BL7	PowerPlex® 21					
	15,15.3,16,16.3	20,22,23,24		14,17,18	12,13	13,16,18,21.3
4e	8,10,14	10,12,13,14		17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7	8,8
	14,15,16					

TABLE 2

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

Item 4e - STR Results

4DCCD7	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
4DCGN9	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
4E7AG8	Identifiler®, Investigator® 24plex QS					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	N/A
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	N/A	N/A	20,27.2	[5],7,[8]	8,[11]
	[14],15,16	11	N/A	N/A	N/A	
4EMJA8	PowerPlex® 5C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13],[14]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	XX,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]		[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]				
4EQ7PZ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
4EQYPU	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14	14,17,18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	5,7,8	8,[11]
	[14],15,16	[11]			[2]	
4FY6XN	PowerPlex® Fusion 6C, NGM Detect					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

4GUU9W	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
4GYZ3D	PowerPlex® 21					
	15,15.3,16,16.3	20,22,23,24		14,17,18	12,13	16,18,21.3
4e	8,10,14	10,12,13,14		17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16					
4H6UBH	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,9,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
4J3ZUX	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
4MZCK4	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15	30,35	15,[17]	X,Y	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
4PQHE2	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
4TEUD7	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	5,7,8	8,8,[11]
	[14],15,16	[11]			[2]	

TABLE 2

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

Item 4e - STR Results

4UJTY	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23	10,13,14	14,17,18	11,12,13	
4e	10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	11,12	11,12
	12,15,17	13,14,15	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,20,21,23,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
4UZRB	GlobalFiler™					
	15,(15.3),(16),16.3	20,(22),23,(24)	10,10,(13),(14)	14,(17),18	12,12,(13)	
4e	(8),10,14	10,(12),(13),14	15,16,(17)	17,18.3,(21),(24)	(8),12,12	(11),12,12
	(12),(15),17,17	(13),14,15,(16)	30,(32.2),35	15,15,(16),(17)	X,X,(Y)	(10),12,13
	(18),21,(22),24			20,27.2,(28.2),(37)	(5),7,7,(8)	8,8,(11)
	(14),15,16	(11)			(2)	
4VBRDX	Investigator® 24plex (STRmix)					
	15,15.3,16	22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,16	30,32.2	15,16,17	X,Y	10,12,13
	18,21,22			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
4W78PU	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
4X8WFK	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
4Z7JLU	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
62YKD4	PowerPlex® Fusion 6C					
	15,[16],16.3	20,23,[24]	10,[13],14	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	12	12
	[12,15],17	14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[17]	20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[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 4e - STR Results

644D6G	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
69EJA3	PowerPlex® Fusion 6C					
	15,15.3^,16^,16.3	20,22,23,24	10,13,14	14,17,18	12,13^	
4e	8^,10,14	10,12,13,14	13,15,16,17^	17,18.3,21^,24^	8^,12	11,12
	12,15^,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10^,12,13
	18^,21^,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11^
	14,15,16	NR	17	NR		
69JQ4J	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	N/A
4e	8,10,13,14	9,10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24	N/A	N/A	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	N/A	N/A	N/A	
6B6LFQ	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
6E7KYV	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
6ENGE2	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
6GFFTZ	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	

TABLE 2

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

Item 4e - STR Results

6JFXGU	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
6P8Y89	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	13,14,15,16	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	5,7,8	8,8,[11]
	[14],15,16	[11]			[2]	
6QH3CK	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
6TJXA2	Investigator® 24plex					
	15.3,16	22,24	13,14	17,18	12,13	
4e	8,10,14	12	13,16,17	17,21,24	8,12	11,12
	12,15	13,14,16	30,32.2	16,17	X,Y	10,12
	18,22			20,28.2,37	5,[7],8	8,11
	14,16	11				
6V7RQ3	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
6VA4N7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
6VQBXV	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 4e - STR Results

6YNY44	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
6YWKD8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
72F3PN	GlobalFiler™					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16				2	
76B2XR	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
78GJVN	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
79T2BM	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
7A7T44	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

7AT6WB	Identifiler® Plus					
		20,(22),23,(24)		14,(17),18	12,(13)	
4e	(8),10,14	10,(12),(13),14			(8),12	(11),12
	(12),(15),17	(13),14,15,(16)	30,(32.2),35		X,(Y)	(10),12,13
	(18),21,(22),24				(5),7,(8)	8,(11)
	(14),15,16					
7BTLNK	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
7CDB2Y	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	15,16,17	14,15,16	29,30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
7EM7W4	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23,24	10,13,14	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15,16	X	12,13
	21,24	11,12	12	20,27.2	7	8
	14,15,16					
7GRLGN	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14	14,17,18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	14,15,16	[11]			[2]	
7HLHR4	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	15,16	[11]	[17]	[18]		
7JEHPE	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

7JUFGE	GlobalFiler™ (STRmix™)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
7LMFEP	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
7N3Y6L	GlobalFiler™ (STRmix version 2.4.06)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
7QGHB3	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,23,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
7RT29E	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	NR
4e	8,10,14	10,12,13,14	13,14**,15,16,17	17,18.3,21,23**,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	NR	NR	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	NR	NR	2	
7UP2WN	GlobalFiler™ (TrueAllele)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
7WWZP7	GlobalFiler™					
	(14),15,15.3,16,16.3	(19),20,22,23,24	10,13,14	(13),14,(16),17,18	(11),12,13	
4e	8,(9),10,(13),14	(9),10,(11),12,13,14	13,(14),15,16,17	17,18.3,21,[23],24	8,(11),12	11,12
	12,15,(16),17	13,14,15,16	(29),30,32.2,35	(14),15,16,17	X,Y	10,(11),12,13
	18,(20),21,22,(23),24			(19),20,(26.2),27.2,2 8.2,(36),37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

7Z2RT6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,13,14	15,16	17,18.3,21,24	12	12
	12,15,17	13,14,15	30,35	15,16,17	X,Y	10,12,13
	18,21,24	11,12	12,13,17	20,27.2,28.2,37	5,7	8,11
	14,15,16	11		18		
82B2JG	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	12	12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17			
82NPPA	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
832C8N	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
87X389	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23	10,13,14	14,17,18	12,13	
4e	10,14	10,12,13,14	13,15,16,17	17,18.3	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8
	14,15,16					
88KCH3	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
89CDED	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

8ALHT2	GlobalFiler™					
	15,16,16.3	20,22,23	10,13,14	14,17,18	12,13	
4e	10,14	10,12,13,14	15,16	17,18.3,21	8,12	11,12
	12,15,17	14,15,16	30,35	15,17	X	12,13
	18,21,22,24			20,27.2	7,8	8
	15,16	11				
8ANY3U	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
8B3EK2	PowerPlex® Fusion 5C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
8CCNBD	PowerPlex® Fusion6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
8CW6QF	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,37	5,7,8	8,11
	14,15,16	11	17	18		
8ECQ92	GlobalFiler™ (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
8EVP6Z	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

8FX7TY	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
8PDEZY	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,Y	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
8PTTAT	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23,24	10,13,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
8QN9LQ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
8R79R2	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
8TF8ZN	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
8TY9PC	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	NR
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	NR	NR	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	NR	NR	2	

TABLE 2

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

8V23P3	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]	20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]	[17]	[18]		
8VMKNH	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
8ZDWGT	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
93TV4L	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
94CNBB	PowerPlex® 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
996K74	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y/X,X	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
9988KW	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

9B9FP8	Identifiler® Plus					
		20,23,(24)		14,(17),18	12,12,(13)	
4e	(8),10,14	10,(12),(13),14			(8),12,12	12,12
	(12),(15),17,17	(13),14,15,(16)	30,(32.2),35		X,X,(Y)	(10),12,13
	(18),21,(22),24				(5),7,7,(8)	8,8,(11)
	(14),15,16					
9D3AGA	GlobalFiler™					
	15,16.3	20,23,24	10,13,14	14,18	12	
4e	8,10,14	10,12,14	13,15,16	17,18.3,21	8,12	12
	12,15,17	14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,37	5,7	8,11
	15,16	11				
9DD8FY	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,12,13,14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	5,7,8	8,[11]
	[14],15,16	[11]			[2]	
9FQLFF	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
9HU927	PowerPlex® Fusion 5C					
	15,[15.3,16],16.3	20,23,[24]	10,[13,14]	14,[17],18	12	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,35	15	X,[Y]	12,13
	21,[22,24]	[9],11,12	12,[13,17]		[5],7,[8]	8,[11]
	[14],15,16	NT				
9J9XZ3	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
9LFYG3	PowerPlex® 6C (STRmix)					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11		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 4e - STR Results

9RJ29W	GlobalFiler™, Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
9WQM2Z	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
9WTD43	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
9XM3DW	GlobalFiler™ (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8,11
	15,16	11			2	
A2NCC7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
A3ET8Y	PowerPlex® 21					
	15,15.3,16,16.3	20,22,23,24		14,18	12,13	13,16,18,21.3
4e	8,10,14	10,12,13,14		17,18.3,21,24	12	12
	12,17	14,15	30,32.2,35		X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	15,16					
A4MWQP	PowerPlex® Fusion 6C (STRMix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 4e - STR Results

A6HPDV	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15	X,[Y]	12,13
	[18],21,[22],24	11,12	12,[17]	20,27.2,[28.2],[37]	7,[8]	8
	[14],15,16	[11]		[18]		
A7EV6N	PowerPlex® Fusion 5C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,18	12	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	12	12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,24	[9],11,12	12,[13],[17]		[5],7	8,[11]
	[14],15,16	11				
A8QLGD	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
AB78XY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
ABL9ZZ	GlobalFiler™					
	15,16.3	20,22,23	10,13	14,18	12	
4e	10,14	10,13,14	15,16	17,18.3	12	12
	17	13,14,15	30,35	15	X,X	12,13
	18,21,24			20,27.2	5,7,8	8
	15,16	NR			NR	
AC2RLX	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
AECFDB	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,14**,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,31.2,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

AGR6KZ	Identifiler®, Investigator® 24plex QS					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	n/a
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],[21],[22],24	n/a	n/a	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	n/a	n/a	n/a	
AGX8GZ	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,11,12	11,12
	12,15,17	14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AHKZ2H	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16	17,18.3,[24]	[8],12	12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],[21],[22],24			20,27.2	[5],7,[8]	8
	[14],15,16	[11]			[2]	
AHP7VY	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AJZ9GX	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AKVQKK	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
AL2H6K	PowerPlex® Fusion (STRMIX)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	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

AR2BUB	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ARC6JJ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
AUHU7	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
AVCKQL	PowerPlex® Fusion (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	10,14	10,12,13,14	15,16,17	17,18.3,21,24	12	11,12
	12,15,17	13,14,15,16	30,35	15,17	X,Y	10,12,13
	18,21,22,24	11,12	12,13,17		5,7,8	8
	14,15,16	INC				
AWCGC3	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
B3ANWV	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
B42MBU	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

B6KFGX	GlobalFiler™					
	15,[15.3,16],16.3	20,22,23,24	10,10,[13,14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12,12	[11],12,12
	[12,15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16,17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]			[2]	
B6XZW2	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y / X,X	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
B79XAH	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
B8LKXY	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
B9ZRDE	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
BA7DRD	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
BE7JNW	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	

TABLE 2

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

Item 4e - STR Results

BFZAUC	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
BJ34U2	PowerPlex® Fusion 6C (STRmix)					
	14,15,15.3,16,16.3	19,20,22,23,24	10,13,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	14,15,16	X,Y	10,11,12,13
	18,21,22,23,24	9,11,12	11,12,13	19,20,26.2,27.2,28.2	5,7,8	8
	14,15,16					
BK8RY7	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
BK9P6V	Identifiler® Plus					
		20,[22],23,[24]		14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35		X,[Y]	[10],12,13
	[18],21,[22],24				[5],7,[8]	8,[11]
	[14],15,16					
BKMBH4	Identifiler® Plus					
		20,(22),23,(24)		14,(17),18	12,12,(13)	
4e	(8),10,14	10,(12),(13),14			(8),12,12	(11),12,12
	(12),(15),17,17	(13),14,15,(16)	30,(32.2),35		X,X,(Y)	(10),12,13
	(18),21,(22),24				(5),7,7,(8)	8,8,(11)
	(14),15,16					
BLALT X	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	14,15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
BQ2TB7	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					

TABLE 2

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

Item 4e - STR Results

C34R8H	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
C4NGLW	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
C98TDD	GlobalFiler™ (STRmix)					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
CBFVCV	Investigator® 24plex (STRmix)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11				
CCBCNR	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
CDM7BK	PowerPlex® Fusion 6C					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
CEECHX	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					

TABLE 2

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

Item 4e - STR Results

CK7EQ4	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
CMVRLT	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13],14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
CPYAWH	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
CRB4HA	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
CT3DEW	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	14,15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
CTWZW2	PowerPlex® 5C					
	15,(15.3),(16),16.3	20,(22),23,(24)	10,10,(13),(14)	14,(17),18	12,12,(13)	
4e	(8),10,14	10,(12),(13),14	(13),15,16,(17)	17,18.3,(21),(23),(24)	(8),12,12	(11),12,12
	(12),(15),17,17	(13),14,15,(16)	30,(32.2),35	15,15,(16),(17)	X,X / (X,Y)	(10),12,13
	(18),21,(22),24	(9),11,12	12,12,(13),(17)		(5),7,7,(8)	8,8,(11)
	(14),15,16	(11)				
CUU26E	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

CWEE7U	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
CZ68TX	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	NA
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24	NA	NA	20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]	NA	NA	2	
CZHT92	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
D6C6PJ	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
D9AUMH	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
DD4T9T	PowerPlex® Fusion 6C					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13,17]	20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]	[17]	[18]		
DFPD6W	PowerPlex® Fusion, GlobalFiler™ (GeneMapper IDX)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					

TABLE 2

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

Item 4e - STR Results

DGJ66A	Investigator® 24plex QS (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
DHC73K	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
DHHBNN	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
DJ62H2	Identifiler® Plus					
		20,[22],23,[24]		14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35		X,X,[Y]	[10],12,13
	[18],21,[22],24				[5],7,7,[8]	8,8,[11]
	[14],15,16					
DPVAAM	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
DQ7BVL	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
DWBWZH	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	

TABLE 2

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

Item 4e - STR Results

DX6M6W	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
DXCV7X	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
EAKX6Z	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
EBPHY3	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,14	13,15,16	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
ECJ96G	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
ECRF4W	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	
EDJG28	PowerPlex® Fusion 6C					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21]	[8],12	12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	12,13
	21,24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	15,16			[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 4e - STR Results

EF4BVM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
EPZY2Q	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
EQUP86	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ETA9X2	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	
EWBFDX	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
EWV3MF	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
EX8K3E	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

EXRC7W	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
F3UYXY	PowerPlex® Fusion 5C					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,[16,17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18,21,22],24	[9],11,12	12,[13]		[5],7,[8]	8,[11]
	[14],15,16	11				
F6A36X	PowerPlex® Fusion 6c (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
F7CAYA	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
F9E2ZU	Identifiler®, Investigator® 24plex QS					
	15,[15.3],16.3	20,[22],23	10,[13]	14,[17],18	12,[13]	N/A
4e	10,14	10,[12],[13],14	[13],15,16	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15	X,[Y]	[10],12,13
	[18],[21],[22],24	N/A	N/A	20,27.2	7,[8]	8,[11]
	[14],15,16	11	N/A	N/A	N/A	
F9K98W	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
F9L4WU	Investigator® 24plex (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

F9ZMGR	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,9,10,13,14	10,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
FAD7QP	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,18	12,[13]	
4e	[8],10,14	10,[12],14	[13],15,16,[17]	17,18.3	[8],12	12
	[12],[15],17	[13],14,15,[16]	30,35	15,[16],[17]	X	[10],12,13
	[18],21,24			20,27.2,[37]	[5],7	8,[11]
	15,16				2	
FB8WW4	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
FEUHM7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
FF3V68	Investigator® 24plex (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
FHNQGE	PowerPlex® Fusion (STRMix v.2.4.08)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	INC				
FKA9YY	Identifiler® Plus					
		20,[22],23,[24]		14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35		XX,[Y]	[10],12,13
	[18],21,[22],24				[5],7,7,[8]	8,8,[11]
	[14],15,16					

TABLE 2

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

Item 4e - STR Results

FKWP39	Investigator® 24plex QS (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
FPRERT	PowerPlex® Fusion 5C (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
FRFQQY	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16.3	20,22,23,24	10,14	14,17,18	12,13	
4e	10,14	10,12,13,14	15,16	17,18.3,21	8,12	11,12
	15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,24			20,27.2	7	8
	14,15,16	11			NR	
FT8QNA	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
FVCNQP	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23,24	10,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,14,15,16	16,17,18.3,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,34,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	7,8,11
	14,15,16	11				
FVX8J4	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
FYY3GK	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 4e - STR Results

G3RQ7Q	GlobalFiler™ (STRmix 2.4)					
	15,16,16.3	20,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7	8,11
	14,15,16	11			2	
G3VX3T	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
G4JHKH	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,[13],[14]	14,17,18	12,[13]	
4e	[8],10,14	10,12,13,14	[13],15,16,17	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	13,14,15,16	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
G4NXZ4	GlobalFiler™ (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
G6ZPRK	GlobalFiler™					
	15,16.3	20,23,24	10,13,14	14,17,18	12	
4e	10,14	10,12,14	15,16	17,18.3,21	12	11,12
	12,17	14,15,16	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2	5,7	8,11
	14,15,16	NR			NR	
G7NFMX	Identifiler®					
		20,[22],23,[24]		14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35		X,X,[Y]	[10],12,13
	[18],21,[22],24				[5],7,7,[8]	8,8,[11]
	[14],15,16					
G7V9W8	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	12	12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17			

TABLE 2

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

Item 4e - STR Results

GA8EZT	GlobalFiler™ (GMIDX)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	7	8
	15,16					
GC26HT	GlobalFiler™					
	15,[15.3],[16],16.3	20,23,24	10,10,[13],[14]	14,[17],18	12,12,[13]	N/A
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],[21],[22],24	N/A	N/A	20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]	N/A	N/A	[2]	
GE29XU	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],[21],[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
GFGGEA	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
GKAE6L	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
GMEB7F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
GMX4XD	PowerPlex® Fusion (STRMix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	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

GQEL2F	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
GTMN2T	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
GUDMFR	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
GWLZXT	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
GXWVPC	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
H34MCV	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
H386FL	Investigator® 24plex					
	15,15.3,16,16.3	22,23,24	10,13,14	14,17,18	12,13	
4e	8,10	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

H4FHXM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23,24	10,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,14,15,16	16,17,18.3,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,34,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	7,8,11
	14,15,16	11				
HAT62R	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HBD8ER	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
HBW6F7	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HFYZKR	GlobalFiler™ (STR-mix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HHF2TT	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HJTXWC	PowerPlex® Fusion (STRmix)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],[21],[22],24	[9],11,12	12,[13],[17]		[5],7,[8]	8,[11]
	[14],15,16	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

HJVCU7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HKPBUQ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
HNQA3A	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	15,16	11	17	18		
HPHFAN	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
HQFPER	GlobalFiler™					
	15,[15.3],[16],16.3	[20],[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	N/A
4e	[8],10,14	10,[12],13,14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,Y	[10],12,13
	[18],[21],[22],24	N/A	N/A	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]	N/A	N/A	[2]	
HQHEMU	GlobalFiler™ (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
HT2KTJ	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

HTJFNR	GlobalFiler™					
	15,[15.3,16],16.3	20,22,23,24	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,12,13,14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	5,7,8	8,[11]
	[14],15,16	[11]			[2]	
HUC3EA	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[24]	12	12
	[12],[15],17	14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8
	15,16	11			2	
HWKFVB	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HY66FN	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			19,20,27.2,37	5,7,8	8,11
	14,15,16	11				
J27R9J	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
J339KF	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J3ELQG	GlobalFiler™ (STRmix)					
	14,15,15.3,16,16.3	20,22,23,24	10,13,14	13,14,16,17,18	11,12,13	
4e	8,9,10,13,14,Q	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12,Q
	12,15,17	13,14,15,16	29,30,32.2,34,35	14,15,16,17,Q	X,Y	10,11,12,13
	18,20,21,22,23,24			20,27.2,28.2,37	5,7,8,Q	8,11,Q
	14,15,16,Q	11			2	

TABLE 2

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

Item 4e - STR Results

J3WZ8M	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
J4FN3N	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	NA
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18	NA	
J69QJC	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
J7N3AU	GlobalFiler™ (STRmix 2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
J9CJJ3	PowerPlex® Fusion 6C					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	15,16	11	17			
J9PVFL	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
JA4F7B	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

JAME6U	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JBEE36	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JBVF68	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
JBZQAQ	GlobalFiler™					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JC83TM	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
JDH4EL	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JDNCRF	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

JEELN3	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	12	12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17			
JFNKWQ	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
JGHFBL	PowerPlex® Fusion					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	12,14,[17],18	[11],12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	11,12
	12,15,17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]		[5],7,[8]	8,[11]
	[14],15,16	11				
JGJ4ZC	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
JHU86N	GlobalFiler™ (STRmix 2.4)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JJ7RAR	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JJM4RW	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

JMPWRM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23	10,13,14	14,17,18	12,13	
4e	8,10,14	10,13,14	14,15,16,17	17,18.3,21	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	12,13
	21,22,24			20,27.2,28.2	7,8	8,11
	14,15,16	11				
JNRDFL	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]			[2]	
JPXUFC	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
JR688C	GlobalFiler™					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JVNG2A	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
JXB238	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
JYXLD4	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

JZYD2D	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
K4V8ML	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
K63VCB	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
K689Z8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
K8B2ZX	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	
KBQMHI	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
KGGTHE	PowerPlex® Fusion 6C (STRMIX)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 4e - STR Results

KJTGAR	GlobalFiler™					
	15,16,16.3	20,23	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	15,16	11			2	
KKWGN6	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
KRWR4A	PowerPlex® Fusion (STRmix V2.4.08)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	INC				
KRY624	GlobalFiler™					
	15,16.3	20,22,23	10,13,14	14,17,18	12	
4e	10,14	10,12,13,14	15,16	17,18.3	12	11,12
	17	13,14,15,16	30,35	15	X	12,13
	21,22,24			20,27.2	5,7,8	8
	14,15,16	11				
KTFZFW	Identifiler® Plus, MiniFiler, LCN ID+					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
KUL2DB	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
KV6LGM	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

KVYL7L	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	15,16,17	13,14,15,16	30,35	15,16,17	X,Y	10,12,13
	18,21,23,24			20,27.2,28.2	5,7,8	8,11
	14,15,16	11				
KWAMRK	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,9,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
KX67V8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,[13],[14]	14,17,18	12,[13]	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	[11],12
	12,15,17	13,14,15,16	30,32.2,35	15,[16],[17]	X,[Y]	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,[11]
	14,15,16	11			2	
KYGRJM	PowerPlex® Fusion 6C					
	15,16.3#	20,23#	10#	14,18#	12#	
4e	10,14#	10,14#	15,16#	17,18.3#	12	12
	17#	14,15#	30,35#	15#	X	12,13
	21,24	11,12#	12#	20,27.2#	7#	8#
	15,16#	NR	NR#	NR#		
KYHQNG	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
KYL9VT	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
KZCJJZ	GlobalFiler™ (STRmix)					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8
	15,16	11			2	

TABLE 2

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

Item 4e - STR Results

L2JW22	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
L3H2KG	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
L4VTCX	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
L86399	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
L8B7BZ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
LERWGR	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
LF6B62	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,12	12
	15,17	13,14,15,16	30,32.2,35	15,16,17	X	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16		17			

TABLE 2

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

Item 4e - STR Results

LFJXE3	Investigator® 24plex QS (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
LFY93A	GlobalFiler™					
	15,16.3	20,[22],23,[24]	10,[13],14]	14,[17],18	12,[13]	
4e	10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	12,12
	[15],17	[13],14,15,[16]	30,35	15,[16,17]	X,[Y]	12,13
	[18],21,[22],24			20,27.2,[28.2]	[5],7,[8]	8,8
	[14],15,16	[11]			[2]	
LGH3WH	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
LHR6K3	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
LNXXN9	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
LP67W6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
LQ3873	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

LQLD7T	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
LZ7FG9	PowerPlex® Fusion (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	INC				
M3DYCN	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
M46ZAY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
M6WEFN	PowerPlex® Fusion 6C (STRmix)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
M7BHAF	GlobalFiler™ (STRmix)					
	14,15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	10,12,13,14	13,14,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,16,17	13,14,15,16	29,30,32.2,35	14,15,16,17	X,Y	10,11,12,13
	18,20,21,22,23,24			19,20,26.2,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
M86DNC	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8
	15,16	11			2	

TABLE 2

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

Item 4e - STR Results

MAX634	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MB24UM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MC4KHL	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
ME436F	Investigator® 24plex (STRmix V2.4.06)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ME8KA7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MGDXYK	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	12,12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
MGQGVB	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

MHLAHG	GlobalFiler™ (GMID-X)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MJ2AYQ	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]			[2]	
MKCKP	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
MKQWX8	PowerPlex® Fusion 5C (STRmix)					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12	
4e	[8],10,14	10,[12],14	15,16,[17]	17,18.3,[21],[24]	[8],12	12
	[12],[15],17	[13],14,15,[16]	30,35	15	X,Y	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]		[5],7,[8]	8,[11]
	[14],15,16	INC				
MKUBV2	GlobalFiler™					
	15,16.3	20,22,23	10,13	14,17,18	12	
4e	10,14	10,12,13,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24			20,27.2	5,7	8
	15,16					
MLG4FH	GlobalFiler™					
	15,15.3,16,16.3	[20],22,[23],24	10,13,14	[14],17,18	12,[13]	NT
4e	[8],10,[14]	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,[Y]	10,12,13
	18,21,22,24	NT	NT	20,27.2,28.2,37	5,7,8	8,[11]
	14,15,16	11	NT	NT	2	
MM2GJN	Investigator® 24plex QS					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

MME6QG	Investigator® 24plex QS					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MME92J	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MMHMV8	GlobalFiler™					
	15,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3	8,12	12
	12,15,17	14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
MNCMGP	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
MPLJXM	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MQ2RFN	Investigator® 24plex QS					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MQ2UWF	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

MQWB4H	PowerPlex® 16 HS					
				14,18	12,12	
4e	10,14	10,14			12,12	12,12
	17,17		30,35		X,X	12,13
	21,24	11,12	12,12		7,7	8,8
	15,16					
MT4QBN	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
MTKZ4P	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MTLVTM	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MW428N	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
MWJGGJ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16	17,18.3,24	8,12	11,12
	12,15,17	13,14,15	30,32.2,35	15,17	X,Y	10,12,13
	18,21,24			20,27.2,28.2,37	5,7	8
	14,15,16	11			2	
MWMV6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

MYPJP9	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MZPMCH	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
N3NDYN	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
N6DLAK	GlobalFiler™ (STRmix v.2.4)					
	15,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	14,15,16	30,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7	8,11
	15,16	no results			2	
N6ENMV	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
N6U2Z8	GlobalFiler™ (TrueAllele)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
N9AAN7	PowerPlex® Fusion (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	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

NDMAMJ	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
NE48FH	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
NEWBQ6	GlobalFiler™					
	15,[16],16.3	20,23	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16	17,18.3	[8],12	12
	[12],[15],17	[13],14,15	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
NG6EFL	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
NHXAW4	GlobalFiler™ (STRmix v 2.4.06)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
NNK7PK	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
NPFPT8	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					

TABLE 2

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

Item 4e - STR Results

NQQGXG	GlobalFiler™					
	15,16.3	20,22,23	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,12	12
	15,17	13,14,15,16	30,35	15,16,17	X	12,13
	18,21,22,24			27.2,28.2	5,7,8	8
	14,15,16				2	
NQXJUG	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
NR3D3L	GlobalFiler™ (STRmix (e fraction only))					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
NUUF6U	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
NWYWAQ	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
NZLHFK	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23	10,13,14	14,17,18	11,12,13	
4e	10,14	10,12,13,14	14,15,16,17	17,18.3,21	11,12	11,12
	12,15,17	13,14,15	30,32.2,35	14,15,16	X,Y	10,12,13
	18,21,22,24	11,12	12	19,20,27.2	5,7,8	8
	14,15,16		17			
P6RGHX	Investigator® 24plex QS					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

PBDHE3	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,[13],[14]	14,17,18	12,[13]	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	[11],12
	12,15,17	13,14,15,16	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,[11]
	14,15,16	11			2	
PBVEYP	PowerPlex® Fusion 5C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X / X,Y	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]		[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]				
PDGB7F	Investigator® 24plex (STRMix)					
	15,16,16.3	20,23	10,13	14,17,18	11,12,13	
4e	8,10,14	10,12,14	13,15,16	17,18.3,24	12	11,12
	12,16,17	14,15,16	30,35	15	X,Y	12,13
	21,24			20,27.2,28.2	5,7,8	8,11
	14,15,16					
PECUB3	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,[13]	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	[11],12
	[12],[15],17	13,14,15,16	30,32.2,35	15,16,17	X,[Y]	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,[11]
	14,15,16	11			2	
PG4YVM	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
PG6M7L	Investigator® 24plex (STRmix)					
	14,15,15.3,16,16.3	19,20,22,23,24	10,13,14	13,14,16,17,18	11,12,13	
4e	8,9,10,13,14	9,10,11,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12,13
	12,15,17	13,14,15,16	29,30,32.2,34,35	15,16,17	X,Y	10,11,12,13
	18,20,21,22,23,24			19,20,26.2,27.2,28.2,37	5,6,7,8	8,11
	14,15,16	11				
PGGL3F	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23,24	10,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,14,15,16	16,17,18.3,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,34,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	7,8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

PJCZVZ	GlobalFiler™					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	15,16	17,18.3	8,12	12
	12,15,17	13,14,15,16	30,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
PK42TB	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
PP37VV	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
PQD9JF	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
PR3L2X	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
PTDFR7	PowerPlex® Fusion (STRMix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
PTUQ8Q	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

PUNGD6	PowerPlex® Fusion (STRMix V2.4.08)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	INC				
PUTKFW	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,36**,37	5,7,8	8,11
	14,15,16	11			2	
PV227E	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
PVNDYL	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
PWEBJL	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
PWGEWW	Investigator® 24plex QS (TrueAllele)					
	15,16,16.3	20,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11				
PX92MF	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

PYJ9JF	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
PZFN9K	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,16.3	20,[22],23,[24]	10,[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	15,16	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	21,[22],24	[9],11,12	12	20,27.2,[28.2]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
Q3M8QT	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
Q4BT9H	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
Q6P2QJ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	14,15,16,17	X,Y	10,11,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
Q9AVLX	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
QAXKC6	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	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

QB8PRE	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
QC6UU2	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
QKE8PC	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
QMHCY	GlobalFiler™ (STRmix)					
	15,[16],16.3	20,23,[24]	10,[13],[14]	14,[17],18	12	NT
4e	[8],10,14	10,[12],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	NT	NT	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	15,16	[11]	NT	NT	[2]	
QNFGNK	PowerPlex® Fusion 6C (STRmix)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
QQRUTG	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
QR6LMJ	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

QTFNAH	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
QTWLKU	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
QV38BF	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	12	12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17			
QXQJAL	PowerPlex® Fusion 6C (STRmix v2.6.2)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11	17	18		
R22XBW	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
R2G9Y4	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
R2XKC3	PowerPlex® Fusion (STRmixV2.4.08)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	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

R6LWFE	Investigator® 24plex					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
R7C3UJ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
R8M6H4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
R8R9KV	GlobalFiler™					
	15,16,16.3	20,23	10,13,14	14,18	12	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	12,13
	18,21,24			20,27.2,28.2	5,7,8	8,11
	15,16	11			2	
RACF9W	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
RCY4X4	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
RDEDWV	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

REL8H	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
RGEL3	Investigator® 24plex QS					
	15,(15.3,16),16.3	20,(22),23,(24)	10,10,(13,14)	14,(17),18	12,12,(13)	
4e	(8),10,14	10,(12,13),14	(13),15,16,(17)	17,18.3,(21,24)	(8),12,12	(11),12,12
	(12,15),17,17	(13),14,15,(16)	30,(32.2),35	15,15,(16,17)	X,X,(Y)	(10),12,13
	(18),21,(22),24			20,27.2,(28.2,37)	(5),7,7,(8)	8,8,(11)
	(14),15,16	(11)				
RJ2VKF	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
RJ6LNG	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	7,8,11
	14,15,16	11	17	18		
RKGCLZ	GlobalFiler™ (GeneMapper)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
RMD6A4	GlobalFiler™ (TrueAllele)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,[Y]	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
RULBHF	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13],14	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	12,12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	

TABLE 2

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

Item 4e - STR Results

RVF2NV	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
RWN8V4	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
RYVM7G	GlobalFiler™ (STRmix 2.4)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
RZAXDL	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,[24]	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,[24]	8,12	11,12
	12,[15],17	[13],14,15,[16]	30,32.2,35	15,16,[17]	X,Y	[10],12,13
	[18],21,[22],24			20,27.2,28.2,37	5,7,[8]	8,[11]
	14,15,16	[11]			2	
RZMHTP	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
RZNFYE	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,24	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,21,24	[8],12	[11],12
	[12],[15],17	13,14,15,16	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
T6UJBX	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	5,7,[8]	8,[11]
	[14],15,16	11			2	

TABLE 2

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

Item 4e - STR Results

T6YUFH	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
T7BPN3	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
T8MFX8	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
TABN89	Investigator® 24plex (STRMix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
TAMTCJ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TAQBGA	Investigator® 24plex					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
TB4KUG	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

TEA2AZ	GlobalFiler™					
	15,16.3	20,23	10,13	14,18	12	
4e	10,14	10,12,13,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	18,21,22,24			20,27.2	5,7,8	8
	15,16	11				
TFHDQ2	GlobalFiler™					
	15,16.3	20,22,23,24	10,13,14	14,18	12,13	
4e	10,14	10,12,14	15,16	17,18.3,21,24	12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8
	15,16	11				
TFZEFP	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TGAHYE	GlobalFiler™					
	15,(15.3),(16),16.3	(20),(22),(23),(24)	10,(13),(14)	(14),(17),(18)	12,(13)	
4e	(8),10,14	10,(12),(13),14	(13),15,16,(17)	17,18.3,(21),(24)	(8),12	(11),12
	(12),(15),17	(13),14,15,(16)	30,(32.2),35	15,(16),(17)	X,(Y)	(10),12,13
	(18),21,(22),24			20,27.2,(28.2),(37)	(5),(7),(8)	8,(11)
	(14),15,16	(11)			(2)	
THPQEU	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
TKV9DQ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
TP4QHK	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,X / X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

TQVM7E	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,24			20,27.2,37	5,7,8	8,11
	14,15,16	11			2	
TQWGMY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TR7BJY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TRBRWP	GlobalFiler™					
	15,16.3	20,22,23	10,13,14	14,17,18	12	
4e	8,10,14	10,12,14	15,16,17	17,18.3	8,12	12
	17	14,15,16	30,32.2,35	15,17	X	12,13
	21,24			20,27.2	5,7,8	8
	15,16				2	
TRQ3JB	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8,8
	15,16	11			2	
TRUQUN	Identifiler® Plus (STRmix)					
		20,(22),23,(24)		14,(17),18	12,(13)	
4e	(8),10,14	10,(12),(13),14			(8),12	12,12
	(12),(15),17	(13),14,15,(16)	30,(32.2),35		X,(Y)	(10),12,13
	(18),21,(22),24				(5),7,(8)	8,(11)
	(14),15,16					
TT32DK	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,X / X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

TUKWBE	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
TUWRJY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TW6PLG	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TXGJ7M	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	14,14,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,24			20,27.2,[28.2],[37]	[5],7,7,[8]	8,[11]
	[14],15,16	[11]			[2]	
TXW4DD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
TXYFPA	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	9,10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	9,10,12,13,14	13,14,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,16,17	13,14,15,16	30,32.2,35	14,15,16,17	X,Y	10,12,13
	18,20,21,22,23,24			19,20,27.2,28.2,37	5,7,8	8
	14,15,16	11			2	
TY6XBY	GlobalFiler™ (STRmix v2.4.06)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

U3MN3F	Investigator® 24plex (STRMix)					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15	30,32.2,35	15,16,17	X,Y	12,13
	18,21,22,24			20,27.2,37	5,7,8	8,11
	14,15,16	11				
U3P4PD	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21]	[8],12	12,12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[37]	[5],7,[8]	8,[11]
	15,16	[11]			[2]	
U4JUVT	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
U7PG6Q	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,13**,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
U9RA7C	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	Not tested
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	Not tested	Not tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not tested	Not tested	2	
UAQFRC	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
UEZJQR	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,23**,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

UEZTAB	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,18	12	
4e	8,10,14	10,12,14	13,15,16,17	17,18.3,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2	5,7,8	8
	15,16	11			2	
UHMBNF	Identifiler® Plus					
		20,[22],23,[24]		14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35		X,[Y]	[10],12,13
	[18],21,[22],24				[5],7,[8]	8,[11]
	[14],15,16					
UN39YF	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
UQEPEE	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,12	12
	12,15,17	13,14,15,16	30,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2	5,7,8	8,11
	14,15,16	11			2	
UUEWYC	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,24	8,11,12	11,12
	15,16,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
UV8V2G	GlobalFiler™ (STRmix v2.5)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
UVPUDU	Investigator® 24plex QS (STRmix)					
	15,16.3	20,23	10	14,17,18	11,12	
4e	10,14	10,14	15,16	17,18.3	11,12	11,12
	16,17	14,15	30,35	15,16	X	12,13
	21,24			20,27.2	7	8,11
	15,16					

TABLE 2

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

Item 4e - STR Results

UWMZV9	GlobalFiler™ (STRmix)					
	14,15,15.3,16,16.3	19,20,22,23,24	9,10,13,14	13,14,17,18	11,12,13	
4e	8,9,10,13,14	9,10,12,13,14	13,14,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,16,17	13,14,15,16	29,30,32.2,34,35	14,15,16,17	X,Y	10,12,13
	18,20,21,22,23,24			19,20,26.2,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
UXUJBW	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
UYN9XX	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
UZ3KNF	PowerPlex® ESX 16 Fast					
		20,22,23,24	10,13,14	14,17,18		
4e		10,12,13,14	13,15,16,17	17,18.3,21,24		[11],12
		12,15,17	30,32.2,35	15,16,17	X,Y	
		18,21,22,24			5,7,8	
		14,15,16				
V49UVB	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
V4D7J8	Investigator® 24plex (STRmix v2.4.06)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
V6QNWK	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

V7KE3Y	PowerPlex® Fusion (STRmix)					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12		7	8
	15,16	INC				
VAKPWD	PowerPlex® Fusion, GlobalFiler™ (GenMapper)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
VC6JQT	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
VCAVPB	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
VDNBWX	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
VECR4K	Identifiler® Plus					
		20,[22],23,[24]		14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14			[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35		X,X,[Y]	[10],12,13
	[18],21,[22],24				[5],7,7,[8]	8,8,[11]
	[14],15,16					
VHZ6YA	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

VJ8JCG	PowerPlex® Fusion 5C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[X,Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]		[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]				
VJB7QA	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
VLDYRZ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
VMACC8	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
VMLFGH	PowerPlex® Fusion 5C					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,[14]	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,[13]
	[18],21,[22],24	[9],11,12	12,[13,17]		[5],7,[8]	8,[11]
	[14,15],16	11				
VMQT6E	Investigator® 24plex					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
VN4BEC	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	

TABLE 2

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

Item 4e - STR Results

VR83MD	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
VRJNBT	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3	12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
VRNZYP	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
VU7GVA	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	Not Tested
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	Not Tested	Not Tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not Tested	Not Tested	2	
VX8KPH	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y / X,X	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
VYYGDC	GlobalFiler™					
	15,15.3,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
W6EM3U	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

W94T4E	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16	11				
W97J7G	GlobalFiler™					
	15,[15.3],[16],16.3	[20],[23],[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]			[2]	
WAEYXU	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WCHHAA	Investigator® 24plex					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,(13)	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	(8),12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	(10),12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
WCLV3W	Investigator® 24plex QS (Strmix - SF only)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
WGDGGD	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WJ69TJ	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

WJN4QD	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WKC3B	GlobalFiler™					
	15,[15.3,16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
WKYYYX	PowerPlex® Fusion 5C (STRMix)					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]		[5],7,[8]	8,[11]
	[14],15,16	INC				
WMNG6P	PowerPlex® Fusion 6C					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,Y	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]	[17]	[18]		
WNZ3T7	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WQQA7F	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13,14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
WT7VLF	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

WVXRAA	GlobalFiler™					
	15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3,21	12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WWDZQP	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	14,15,16	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
WVRFWC	Investigator® 24plex (STRmix)					
	14,15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	10,14	10,14	14,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,16,17	13,14,15	29,30,32.2,35	14,15,16,17	X	10,12,13
	18,21,22,24			19,20,26.2,27.2,28.2	5,7	8,11
	14,15,16	11				
WZAMBD	PowerPlex® Fusion, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
WZCFWR	GlobalFiler™					
	15,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	15,16	17,18.3	12	11,12
	12,15,17	13,14,15,16	30,35	15,17	X	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
WZN7UB	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14 ^	10,12,13,14 ^	13,15 ^,16,17	17 ^,18.3,21,24	8 ^,12	11,12
	12,15,17	13,14 ^,15 ^,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24 ^	9,11,12	12,13,17	20 ^,27.2,28.2,37	5,7,8	8,11
	14,15 ^,16	11	17	18		
WZTL8B	GlobalFiler™					
	15,15.3,16.3	20,23	10,13	14,17,18	12,13	
4e	8,10,14	10,13,14	15,16	17,18.3	8,12	11,12
	15,17	13,14,15	30,32.2,35	15,17	X	10,12,13
	18,21,22,24			20,27.2	7,8	8
	15,16	no result			2	

TABLE 2

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

X3VPPP	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
X83J4T	(STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
X8AKCE	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,21,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
X9GRLU	GlobalFiler™					
	15,[15.3],16.3	20,[22],23,[24]	10,[13],14	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	12	[11],12
	[12,15],17	[13],14,15	30,[32.2],35	15,[16,17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2,37]	[5],7	8
	[14],15,16	11			2	
XA9WU8	PowerPlex® Fusion 6C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,[13],[17]	20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]	[17]	[18]		
XB64LZ	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
XBAG9W	Investigator® 24plex QS (STRmix)					
	14,15,15.3,16,16.3, Q	19,20,22,23,24,Q	10,13,14	13,14,17,18	11,12,13,Q	
4e	8,9,10,13,14,Q	9,10,12,13,14	13,14,15,16,17	17,17.3,18.3,21,24	8,11,12,Q	11,12,13
	12,15,16,17,Q	13,14,15,16	29,30,32.2,34,35,Q	14,15,16,17,Q	X,Y	10,11,12,13,Q
	18,20,21,22,23,24,Q			19,19.2,20,26.2,27,2 7.2,28.2,37,Q	5,6,7,8	7,8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

XDLACB	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
XGWB49	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23	10,13,14	14,17,18	12,13	
4e	8,10,14	10,13,14	14,15,16,17	17,18.3,21	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,17	X,Y	12,13
	21,22,24			20,27.2,28.2	7,8	8,11
	14,15,16	11				
XP739W	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
XRGVCC	GlobalFiler™					
	15,[15.3],[16],16.3	20,23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	N/A
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24	N/A	N/A	20,27.2,[28.2],[37]	[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]	N/A	N/A	[2]	
XRUE93	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
XT69UU	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
XVW89T	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

XW986M	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
XWCKYB	PowerPlex® Fusion 6C (STRMix)					
	15,15.3,16,16.3	19,20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
XXZUV6	GlobalFiler™					
	15,[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16	17,18.3,[21]	[8],12	12,12
	[12],17	[13],14,15,[16]	30,[32.2],35	15,[17]	X,[Y]	12,13
	[18],21,[22],24			20,27.2,[28.2]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
Y3AKKW	PowerPlex® Fusion 6C					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
Y3RKP8	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
Y6W9UB	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YATQG4	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

YCWQB9	PowerPlex® Fusion 6C, GlobalFiler™ (LRmix Studio 2.3.1)					
	15,[16],16.3	20,[22],23,[24]	10,[13],14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12,13],14	[13],15,16,[17]	17,18.3,[21,24]	[8],12	[11],12
	[12,15],17	[13],14,15,[16]	30,[32.2],35	15,[16,17]	X,[X,Y]	[10],12,13
	[18],21,[22],24	11,12	12,[13,17]	20,27.2,[28.2,37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
YENHPZ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
YFVXW7	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	19,20,22,23	10,13,14	14,17,18	11,12,13	
4e	10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	11,12	11,12
	12,15,17	13,14,15	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,20,21,23,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
YGQGZT	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,[13],[14]	14,17,18	12,[13]	
4e	8,10,14	10,12,13,14	[13],15,16,[17]	17,18.3,21,24	[8],12	[11],12
	[12],[15],17	13,14,15,16	30,[32.2],35	15,[16],[17]	X,[Y]	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	5,7,8	8,[11]
	[14],15,16	11			2	
YJEW8F	Identifiler® Plus					
		20,22,23,24		14,17,18	12,13	
4e	8,10,14	10,12,13,14			8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,X,Y	10,12,13
	18,21,22,24				5,7,8	8,11
	14,15,16					
YJCM2	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
YJYV8Y	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4e - STR Results

YKQRU8	Investigator® 24plex (STRmix)					
	14,15,15.3,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	10,14	10,14	14,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,16,17	13,14,15	29,30,32.2,35	14,15,16,17	X	10,12,13
	18,21,22,24			19,20,26.2,27.2,28.2	5,7	8,11
	14,15,16	11				
YPLQ2B	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YQDVAP	GlobalFiler™ (STRmix 2.4)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YQZYJC	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YR96T7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2	5,7	8
	15,16	11			2	
YRRYGM	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YV8FN7	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

YXBB8A	GlobalFiler™ (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
YXLRVC	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
YXUZP4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,36,37	5,7,8	8,11
	14,15,16	11			2	
YYU9LU	GlobalFiler™					
	15,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	15,16	11			2	
YZL9KQ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
Z2CK7H	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
Z2CPGK	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	12**,13,15,16,17	17,18.3,21,23**,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

Z4Z2FQ	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
Z62W6N	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
Z78JEL	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZAQFZQ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZCFP98	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21	8,11,12	11,12
	12,15,17	14,15,16	30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ZDPK3B	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZE2P8M	Investigator® 24plex QS (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

ZEXWL9	GlobalFiler™					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,Y	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	[11]			[2]	
ZEYUQ3	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,14	10,12,13,14	15,16,17	17,18.3,24	8,11,12	11,12
	12,15,16,17	13,14,15,16	29,30,32.2,35	14,15,16,17	X,Y	10,12,13
	18,20,21,22,23,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
ZFHLZM	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZGLJ33	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ZHCQ26	PowerPlex® Fusion 6C					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZHHYCY	PowerPlex® Fusion 6C (STRmix)					
	15,16.3	20,23	10,10	14,18	12,12	
4e	10,14	10,14	15,16	17,18.3	12,12	12,12
	17,17	14,15	30,35	15,15	X,X	12,13
	21,24	11,12	12,12	20,27.2	7,7	8,8
	15,16					
ZMA7X8	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	11,12,13	
4e	8,10,13,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,11,12	11,12
	12,15,17	13,14,15,16	29,30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4e - STR Results

ZQRDBA	PowerPlex® Fusion 5C, GlobalFiler™					
	15,16.3	20,23	10	14,18	12	
4e	10,14	10,14	15,16	17,18.3	12	12
	17	14,15	30,35	15	X	12,13
	21,24	11,12	12	20,27.2	7	8
	15,16					
ZR3C84	GlobalFiler™					
	15,[15.3],[16],16.3	20,22,23,[24]	10,[13],[14]	14,[17],18	12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12	[11],12
	[12],[15],17	[13],14,15,[16]	30,[32.2],35	15,[16],[17]	X,Y	[10],12,13
	[18],21,[22],24			20,27.2,[28.2],[37]	[5],7,[8]	8,[11]
	[14],15,16	11			2	
ZR466C	PowerPlex® Fusion 5C					
	15,[15.3],[16],16.3	20,[22],23,[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],14,15,[16]	30,[32.2],35	15,15,[16],[17]	X,X / [X,Y]	[10],12,13
	[18],21,[22],24	[9],11,12	12,12,[13],[17]		[5],7,7,[8]	8,8,[11]
	[14],15,16	[11]				
ZR8RK4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
ZRCXEL	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ZUBHT6	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	19,20,22,23	10,13,14	14,17,18	11,12,13	
4e	10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	11,12	11,12
	12,15,17	13,14,15	29,30,32.2,35	15,16,17	X,Y	10,11,12,13
	18,20,21,23,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ZUC76N	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4e - STR Results

ZUVY98	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4e	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ZZKPJA	GlobalFiler™					
	15,[15.3],[16],16.3	[20],[22],[23],[24]	10,10,[13],[14]	14,[17],18	12,12,[13]	N/A
4e	[8],10,14	10,[12],[13],14	[13],15,16,[17]	17,18.3,[21],[24]	[8],12,12	[11],12,12
	[12],[15],17,17	[13],[14],[15],[16]	30,[32.2],35	15,15,[16],[17]	X,X,[Y]	[10],12,13
	[18],21,[22],24	N/A	N/A	20,27.2,[28.2],[37]	[5],[7],[8]	8,8,[11]
	[14],15,16	[11]	N/A	N/A	[2]	

TABLE 2

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

Item 4sp - STR Results

23Q8H6	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
24D83T	PowerPlex® Fusion (STRmix v2.4.08)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
24FKZM	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
26U329	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
272FCU	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
27HMJX	PowerPlex® Fusion 6C (STRmix)					
	15.3,16,16.3	20,22,24	10,13,14	17,18	12,13,14	
4sp	8,10	12,13	13,15,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,7,8	8,11
	14,16	11	17	18		
27M3YJ	GlobalFiler™ (STRmix)					
	15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

29V7VF	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
2DKM6K	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
2FNGR4	PowerPlex® Fusion 6C (DNA VIEW)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
2FTX4A	(STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2GZAM7	GlobalFiler™ (STRmix 2.4)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2HWUA7	PowerPlex® Fusion, GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
2JCXEJ	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

2LJDNB	GlobalFiler™ (STRmix v2.5)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2LUDB4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	Not Tested
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	Not Tested	Not Tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not Tested	Not Tested	2	
2M9J42	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2N438M	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
2NL8BU	PowerPlex® Fusion					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
2NX763	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2PE4UL	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

2PE96N	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
2PYPKR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2QUDWV	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
2VJZF8	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2WUWW6	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22	10,13,14	14,16,17,18	11,12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
2XWDK4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
2YGPGM	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

2ZCYZ4	PowerPlex® Fusion 6C, GlobalFiler™ (GENEMAPPER ID-X 1.4)					
	[15],15.3,16,[16.3]	[20],22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],[15],16	30,32.2,[35]	[15],16,17	X,Y	10,12,[13]
	18,[21],22,[24]	9,[11],12	[12],13,17	[20],[27.2],28.2,37	5,[7],8	8,11
	14,[15],16	11	17	18	2	
2ZZDCN	GlobalFiler™ (STRmix)					
	15,15.3,16	20,22,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13	13,15,16,17	21,24	8,12	11,12
	12,15,17	13,14,16	30,32.2	16,17	X,Y	10,12,13
	18,22			20,28.2,37	5,7,8	8,11
	14,16	11			2	
33ZV2	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
34DERR	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
38A49Y	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
38DQNR	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3AWPY2	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

3CRAY8	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,[35]	15,16,17	X,Y	10,12,[13]
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,[15],16	11			2	
3DZKH6	GlobalFiler™					
	15.3,16	22,[23],24	13,14	17,18	12,13	
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3EETZ6	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3EWNKR	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3GUJQ9	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3HV6XL	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3KHGX4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	Not Tested
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	Not Tested	Not Tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not Tested	Not Tested	2	

TABLE 2

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

3LQ7N3						
	[15],15.3,16,[16.3]	22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	12,13,[14]	13,[15,16],17	[17],21,[23],24	8,[11],12	11,12
	12,15,[17]	13,[14,15],16	30,32.2,[35]	15,16,17	X,Y	10,12
	18,[21],22,[24]			[20,27.2],28.2,37	5,[7],8	8,11
	14,[15],16	11			2	
3PPCAZ Investigator® 24plex (STRmix)						
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
3Q8BKC GlobalFiler™ (STRmix)						
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3Q9CFB GlobalFiler™ (STRmix v2.5)						
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3QKZL4 GlobalFiler™						
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
3TDN97 Investigator® 24plex (STRMix)						
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
3TGKLA PowerPlex® Fusion 6C (STRMix)						
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

3U4ZWH	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
3VGN3B	PowerPlex® Fusion 5C					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],[16],17	21,24	8,12	11,12
	12,15	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
3VVM8	PowerPlex® Fusion 5C, GlobalFiler™ (GenMapper)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
3X8LXW	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	12,13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
3XQHE3	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
43WQX4	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
43XE93	Investigator® 24plex (STRmix)					
	14.3,15,15.3,16,16. 3	22,24	10,13,14	16,17,18	11,12,13	
4sp	8,10	11,12,13	12,13,15,16,17	17,18,3,21,24	8,11,12	10,11,12
	12,14,15	12,13,14,15,16	29,30,31.2,32.2,35	15,16,17	X,Y	9,10,11,12
	18,21,22			27.2,28.2,36,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

4697R6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16	22,24	13,14	16,17,18	12,13	
4sp	8,10	12,13	13,16,17	21,23,24	8,12	11,12
	12,15	13,16	30,31.2,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	27.2,28.2,36,37	5,8	8,11
	14,16	11	17	18		
46FLL6	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
47ET24	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
47WTVT	PowerPlex® Fusion 6C (STRMix v2.5.11)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
4BN6N4	GlobalFiler™					
	[15],15.3,16	22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10	[10],12,13,[14]	13,[16],17	[17],21,24	8,12	11,12
	12,15,[17]	13,[14,15],16	30,32.2,[35]	[15],16,17	X,Y	10,12,[13]
	18,[21],22			[27.2],28.2,37	5,[7],8	8,11
	14,16	11			2	
4CHYF7	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
4D3BL7	PowerPlex® 21					
	15,15.3,16,16.3	20,22,23,24		14,17,18	12,13	13,16,18,21.3
4sp	8,10,14	10,12,13,14		17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16					

TABLE 2

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

Item 4sp - STR Results

4DCCD7	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
4DCGN9	GlobalFiler™ (STRmix)					
	15,15.3,16	20,22,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13	13,15,17	17,21,24	8,12	11,12
	12,15	13,16	30,32.2	15,16,17	X,Y	10,12
	18,22,24			28.2,37	5,7,8	8,11
	14,15,16	11			2	
4E7AG8	Identifiler®, Investigator® 24plex QS					
	15.3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,8	8,11
	14,16	11	N/A	N/A	N/A	
4EMJA8	PowerPlex® 5C					
	15.3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,[23],24,[25]	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
4EQ7PZ	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4EQYPU	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4FY6XN	PowerPlex® Fusion 6C, NGM Detect					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	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 4sp - STR Results

4GUU9W	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
4GYZ3D	PowerPlex® 21					
	15,15.3,16,16.3	20,22,23,24		14,17,18	12,13	13,16,18
4sp	8,10,14	10,12,13,14		17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35		X,Y	10,12,13
	18,21,22,24	9,11,12	12,13,17		5,7,8	8,11
	14,15,16					
4H6UBH	Investigator® 24plex QS (STRmix)					
	14.3,15,15.3,16	21,22,23,24	13,14	14,16,17,18	11,12,13	
4sp	8,10	11,12,13	12,13,16,17	20,21,23,24	8,11,12	10,11,12
	12,14,15	12,13,15,16	29,30,31.2,32.2	15,16,17	X,Y	10,11,12
	18,21,22			27.2,28.2,36,37	5,8	8,10,11
	14,15,16	11				
4J3ZUX	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4MZCK4	PowerPlex® Fusion 6C					
	15.3,16	[20],22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	[27.2],28.2,37	5,8	8,11
	14,16	11	17	18		
4PQHE2	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4TEUD7	GlobalFiler™					
	15.3,16	[20],22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10	12,13,[14]	13,[15],17	21,24	8,12	11,12
	12,15,[17]	13,[14],[15],16	30,32.2	16,17	X,Y	10,12
	18,22,[24]			[20],28.2,37	5,[7],8	8,11
	14,[15],16	11			2	

TABLE 2

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

Item 4sp - STR Results

4UJTY	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
4UZRB	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
4VBRDX	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
4W78PU	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
4X8WFK	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	14,17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,11,12	13,17	28.2,37	5,7,8	8,11
	14,16	11	17	18		
4Z7JLU	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
62YKD4	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

644D6G	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	20,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,15,17	21,14	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
69EJA3	PowerPlex® Fusion 6C					
	15,3,16	22,24	[10^],13,14	[14^],17,18	12,13	
4sp	8,10,[14^]	[10^],12,13	13,17	21,[23],24,[25^]	8,12	11,12
	12,15,[17^]	13,[14^],16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	[12],13,17	28.2,37	5,[7^],8	8,11
	14,16	11	17	18		
69JQ4J	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,8	8,11
	14,16	11	N/A	N/A	N/A	
6B6LFQ	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
6E7KYV	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6ENGE2	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6GFFTZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

6JFXGU	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
6P8Y89	GlobalFiler™					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			[20],28.2,37	5,8	8,11
	14,16	11			2	
6QH3CK	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6TJXA2	Investigator® 24plex					
	15,3,16	22	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
6V7RQ3	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
6VA4N7	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
6VQBXV	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

6YNY44	PowerPlex® Fusion, GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
6YWKD8	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
72F3PN	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
76B2XR	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
78GJVN	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[15,16],17	21,[23],24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37,[38]	5,8	8,11
	14,16	11			2	
79T2BM	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7A7T44	Investigator® 24plex (STRmix)					
	15,15,3,16	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10	10,12,13,14	13,15,16,17	18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

7AT6WB	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
7BTLNK	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
7CDB2Y	Investigator® 24plex (STRmix)					
	15,15.3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,22			27.2,28.2,37	5,8	8,11
	14,15,16	11				
7EM7W4	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7GRLGN	GlobalFiler™					
	[15],15.3,16,[16.3]	[20],22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15,16],17	[17,18.3],21,24	8,12	11,12
	12,15,[17]	13,[14,15],16	30,32.2,[35]	15,16,17	X,Y	10,12,[13]
	18,[21],22,[24]			[20,27.2],28.2,37	5,[7],8	8,11
	14,[15],16	11			2	
7HLHR4	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7JEHPE	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

7JUFGE	GlobalFiler™ (STRmix™)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7LMFEP	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7N3Y6L	GlobalFiler™ (STRmix version 2.4.06)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7QGHB3	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
7RT29E	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	NR
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	NR	NR	28.2,37	5,8	8,11
	14,16	11	NR	NR	2	
7UP2WN	GlobalFiler™ (TrueAllele)					
	15,3,16	[20],22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
7WWZP7	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

7Z2RT6	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
82B2JG	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
82NPPA	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
832C8N	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
87X389	GlobalFiler™ (STRmix)					
	15,15,3,16	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13,14	13,15,17	21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
88KCH3	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
89CDED	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

8ALHT2	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8ANY3U	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
8B3EK2	PowerPlex® Fusion 5C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
8CCNBD	PowerPlex® Fusion6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8CW6QF	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8ECQ92	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8EVP6Z	Investigator® 24plex (STRmix)					
	15,15,3,16	22,23,24	13,14	14,17,18	12,13	
4sp	8,10	12,13,14	13,16,17	21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

8FX7TY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8PDEZY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],17	21,24	8,12	11,12
	12,15,[17]	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8PTTAT	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
8QN9LQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	20,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,15,16,17	21,24	8,12	11,12
	12,15,17	13,14,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	12,13,17	28.2,37	5,7,8	8,11
	14,16	11	17	18		
8R79R2	GlobalFiler™					
	15,3,16	22,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8TF8ZN	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8TY9PC	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	NR
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	NR	NR	28.2,37	5,8	8,11
	14,16	11	NR	NR	2	

TABLE 2

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

8V23P3	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
8VMKNH	GlobalFiler™ (STRmix)					
	15.3,16,16.3	20,22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,14,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
8ZDWGT	Investigator® 24plex (STRmix)					
	15,15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
93TV4L	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
94CNBB	PowerPlex® 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
996K74	PowerPlex® Fusion 5C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],17	21,[23],24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12,[13]
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
9988KW	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

9B9FP8	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
9D3AGA	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9DD8FY	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9FQLFF	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
9HU927	PowerPlex® Fusion 5C					
	15.3,16	22,24	13,[14]	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	[13],16	[30],32.2	16,17	X,Y	10,12
	18,[22]	9,12	13,17		5,8	[8],11
	14,16	11				
9J9XZ3	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9LFYG3	PowerPlex® 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

9RJ29W	GlobalFiler™, Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
9WQM2Z	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9WTD43	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
9XM3DW	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	14,17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
A2NCC7	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
A3ET8Y	PowerPlex® 21					
	15,15,3,16	20,22,24		17,18	11,12,13,14	12,13,16
4sp	8,10	12,13		21,23,24	8,12	11,12
	12,15	13,15,16	30,32.2,33.2		X,Y	9,10,12
	17,18,21,22	9,12	13,14,17		5,8	8,11
	14,16					
A4MWQP	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

A6HPDV	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
A7EV6N	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
A8QLGD	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,23,24	13,14	14,17,18	12,13	
4sp	8,10,14	12,13	11,13,15,16,17	21,22,23,24	8,12	11,12
	12,15,16,17	13,14,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,29.2,37,38	5,8	8,11
	14,16	11	17	18		
AB78XY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ABL9ZZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AC2RLX	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AECFDB	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

AGR6KZ	Identifiler®, Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	n/a
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	n/a	n/a	28.2,37	5,8	8,11
	14,16	11	n/a	n/a	n/a	
AGX8GZ	Investigator® 24plex QS (STRmix)					
	15,15.3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	15,16,17	X,Y	10,12,13
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AHKZ2H	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AHP7VY	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AJZ9GX	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
AKVQKK	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AL2H6K	PowerPlex® Fusion (STRMIX)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

AR2BUB	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ARC6JJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AUHU7	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
AVCKQL	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
AWCGC3	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
B3ANWV	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
B42MBU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

B6KFGX	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
B6XZW2	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	[10],12,13	13,[15],17	21,24	8,12	11,12
	12,15,[17]	13,[14],16	30,32.2,[35]	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16,[17]	11				
B79XAH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
B8LKXY	PowerPlex® Fusion, GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
B9ZRDE	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
BA7DRD	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
BE7JNW	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

BFZAUC	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
BJ34U2	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
BK8RY7	GlobalFiler™ (STRmix)					
	15,3,16	22,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
BK9P6V	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
BKMBH4	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
BLALT X	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
BQ2TB7	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

C34R8H	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
C4NGLW	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
C98TDD	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CBFVCV	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CCBCNR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CDM7BK	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
CEECHX	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

CK7EQ4	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,14,15,16	30,32.2	15,16,17	X,Y	10,12
	18,22			28.2,37	5,7,8	8,11
	14,15,16	11			2	
CMVRLT	GlobalFiler™					
	15.3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	11			2	
CPYAWH	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CRB4HA	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
CT3DEW	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
CTWZW2	PowerPlex® 5C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,(23),24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
CUU26E	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

CWEE7U	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
CZ68TX	GlobalFiler™					
	[15],15.3,16	22,24	[10],13,14	17,18	12,13	NA
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12,[13]
	18,22	NA	NA	[20],[27.2],28.2,37	5,[7],8	8,11
	14,16	11	NA	NA	2	
CZHT92	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
D6C6PJ	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
D9AUMH	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
DD4T9T	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
DFPD6W	PowerPlex® Fusion, GlobalFiler™ (GeneMapper IDX)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

DGJ66A	Investigator® 24plex QS (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
DHC73K	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
DHHBNN	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
DJ62H2	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
DPVAAM	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
DQ7BVL	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
DWBWZH	GlobalFiler™					
	[15],15,3,16,[16.3]	[20],22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],16	30,32.2,[35]	16,17	X,Y	10,12,[13]
	18,22,[24]			[20],28.2,37	5,[7],8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

DX6M6W	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
DXCV7X	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
EAKX6Z	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
EBPHY3	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	13,14	14,17,18	12,13	
4sp	8,10	12,13	13,15,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2	16,17	X,Y	10,12,13
	18,22,24			28.2,37	5,7,8	8,11
	14,16	11			2	
ECJ96G	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
ECRF4W	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
EDJG28	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

EF4BVM	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
EPZY2Q	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
EQUP86	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,16.3	22,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13	13,15,17	17,18.3,21,24,25	8,12	11,12
	12,15,17	13,16	30,32.2,35	15,16,17	X,Y	10,12
	18,21,22,24	9,11,12	12,13,17	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	17	18		
ETA9X2	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	10,13,14	14,17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12,13
	18,22			28.2,37	5,7,8	8,11
	14,16	11			2	
EWBFDX	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
EWV3MF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
EX8K3E	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

EXRC7W	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
F3UYXY	PowerPlex® Fusion 5C					
	15.3,[16]	22,24	13,14	17,18	[12],13	
4sp	10	12,[13]	13,17	21,[23,24]	8,12	11,12
	12,15	13,[16]	[29],30,[32.2]	16,17	[X],Y	10,[12]
	18,[22]	[9],12	17		5,8	8,11
	14,[16]	11				
F6A36X	PowerPlex® Fusion 6c (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
F7CAYA	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
F9E2ZU	Identifiler®, Investigator® 24plex QS					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	N/A
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24	N/A	N/A	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	N/A	N/A	N/A	
F9K98W	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,15,16,17	17,21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12,13
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
F9L4WU	Investigator® 24plex (STRMIX)					
	15,15.3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10,14	12,13,14	13,16,17	21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22			27.2,28.2,37	5,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

F9ZMGR	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
FAD7QP	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
FB8WW4	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
FEUHM7	GlobalFiler™					
	15.3,16	22,24	13,14	14,17,18	12,13	
4sp	8,10	12,13,14	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
FF3V68	Investigator® 24plex (STRMIX)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
FHNQGE	PowerPlex® Fusion (STRMix v.2.4.08)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
FKA9YY	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					

TABLE 2

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

Item 4sp - STR Results

FKWP39	Investigator® 24plex QS (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
FPRERT	PowerPlex® Fusion 5C (STRMIX)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
FRFQQY	GlobalFiler™ (STRmix v2.5)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
FT8QNA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
FVCNQP	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
FVX8J4	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
FYY3GK	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

G3RQ7Q	GlobalFiler™ (STRmix 2.4)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
G3VX3T	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
G4JHKH	GlobalFiler™					
	15,3,16	[20],22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			[20],[27.2],28.2,37	5,[7],8	8,11
	14,16	11			2	
G4NXZ4	GlobalFiler™ (STRMIX)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			[20],28.2,37	5,8	8,11
	14,16	11			2	
G6ZPRK	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
G7NFMX	Identifiler®					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
G7V9W8	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

GA8EZT	GlobalFiler™ (GMIDX)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
GC26HT	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,[7],8	8,11
	14,16	11	N/A	N/A	2	
GE29XU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
GFGGEA	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
GKAE6L	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
GMEB7F	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
GMX4XD	PowerPlex® Fusion (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

GQEL2F	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
GTMN2T	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
GUDMFR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	11			2	
GWLZXT	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
GXWPC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
H34MCV	GlobalFiler™					
	15,15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,7,8	8,11
	14,16	11			2	
H386FL	Investigator® 24plex					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

H4FHXM	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
HAT62R	GlobalFiler™ (STRmix)					
	15,15.3,16	20,22,23,24	10,13,14	17,18	12,13	
4sp	8,10	12,13,14	13,16,17	21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2	15,16,17	X,Y	10,12
	18,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
HBD8ER	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
HBW6F7	GlobalFiler™ (STRmix)					
	15,15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,8	8,11
	14,15,16	11			2	
HFYZKR	GlobalFiler™ (STR-mix)					
	15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,22			20,28.2,37	5,7,8	8,11
	14,16	11			2	
HHF2TT	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HJTXWC	PowerPlex® Fusion (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

HJVCU7	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HKPBUQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
HNQA3A	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
HPHFAN	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
HQFPER	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	12,13	13,17	21,[23],24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,8	8,11
	14,16	11	N/A	N/A	2	
HQHEMU	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,15,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HT2KTJ	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

HTJFNR	GlobalFiler™					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,[17]	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HUC3EA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HWKFVB	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	17,21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
HY66FN	Investigator® 24plex (STRmix)					
	15,15.3,16	22,24	13,14	16,17,18	12,13	
4sp	8,10	12,13	13,16,17	21,23,24	8,12	11,12
	12,15,17	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,8	8,11
	14,15,16	11				
J27R9J	Investigator® 24plex (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
J339KF	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
J3ELQG	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

J3WZ8M	PowerPlex® Fusion 5C					
	[15],15.3,16	[20],22,24	[10],13,14	17,18	12,13	
4sp	8,10,[14]	[10],12,13	13,[15],[16],17	[18.3],21,24	8,12	11,12
	12,15,[17]	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22,[24]	9,12	13,17		5,8	8,11
	14,16	11				
J4FN3N	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	NA
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18	NA	
J69QJC	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
J7N3AU	GlobalFiler™ (STRmix 2.5)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
J9CJJ3	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
J9PVFL	Investigator® 24plex (STRMix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
JA4F7B	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

JAME6U	GlobalFiler™ (STRmix v2.5)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JBEE36	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JBVF68	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JBZQAQ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JC83TM	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JDH4EL	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JDNCRF	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

JEELN3	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JFNKWQ	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
JGHFBL	PowerPlex® Fusion					
	15,3,16	22,[24]	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,[17]	13,16	30,32.2	17	X,Y	10,12
	18,22	9,12	13,17		5,8	inc
	14,16	inc				
JGJ4ZC	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JHU86N	GlobalFiler™ (STRmix 2.4)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JJ7RAR	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JJM4RW	GlobalFiler™ (STRmix)					
	15,3,16,16.3	22,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,15,16,17	17,21,24	8,12	11,12
	12,15	13,14,15,16	30,32.2	16,17	X,Y	10,12,13
	18,22,24			28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4sp - STR Results

JMPWRM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	22,24	10,13,14	14,17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	17,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,8	8,11
	14,15,16	11				
JNRDFL	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JPXUFC	GlobalFiler™					
	[15],15.3,16,[16.3]	[20],22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],[15],16	30,32.2,[35]	[15],16,17	X,Y	10,12,[13]
	18,[21],22,[24]			[20],[27.2],28.2,37	5,[7],8	8,11
	14,[15],16	11			2	
JR688C	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JVNG2A	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
JXB238	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
JYLD4	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

JZYD2D	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
K4V8ML	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
K63VCB	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
K689Z8	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
K8B2ZX	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KBQMHI	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KGGTHE	PowerPlex® Fusion 6C (STRMIX)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

KJTGAR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KKWGN6	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KRWR4A	PowerPlex® Fusion (STRmix V2.4.08)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
KRY624	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KTFZFW	Identifiler® Plus, MiniFiler, LCN ID+					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
KUL2DB	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KV6LGM	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13	13,15,17	21,24	8,12	11,12
	12,15	13,16	30,32.2,35	16,17	X,Y	10,12
	18,22	9,12	12,13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

KVYL7L	Investigator® 24plex (STRmix)					
	14.3,15,15.3,16	22,23,24	10,13,14	16,17,18	12,13	
4sp	8,10	12,13	12,13,16,17	20,21,23,24	8,12	11,12
	12,14,15,17	12,13,14,15,16	29,30,31.2,32.2	15,16,17	X,Y	10,12
	18,21,22			28.2,36,37	5,7,8	8,11
	14,15,16	11				
KWAMRK	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
KX67V8	GlobalFiler™					
	15.3,16	[20],22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10	12,13,[14]	13,17	21,24	8,12	11,12
	12,15,[17]	13,[14],16	30,32.2	16,17	X,Y	10,12
	18,22			[27.2],28.2,37	5,[7],8	8,11
	14,16	11			2	
KYGRJM	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
KYHQNG	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
KYL9VT	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
KZCJJZ	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

L2JW22	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
L3H2KG	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
L4VTCX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
L86399	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
L8B7BZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
LERWGR	GlobalFiler™ (STRmix v2.5)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
LF6B62	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

LFJXE3	Investigator® 24plex QS (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
LFY93A	GlobalFiler™					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10,[14]	12,13,[14]	13,[16],17	21,24	8,12	11,12
	12,15,[17]	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	11			2	
LGH3WH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
LHR6K3	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13	13,15,17	18.3,21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	12,13,17	28.2,37	5,7,8	8,11
	14,16	11	17	18		
LNXXN9	GlobalFiler™ (STRmix)					
	15,3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,7,8	8,11
	14,16	11			2	
LP67W6	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
LQ3873	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	17,21,24	8,12	11,12
	12,15	13,16	30,32.2,35	16,17	X,Y	10,12
	18,22,24	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

LQLD7T	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
LZ7FG9	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
M3DYCN	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
M46ZAY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
M6WEFN	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	[20],22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],16	30,32.2	[15],16,17	X,Y	10,12
	18,[21],22,[24]	9,12	[12],13,17	[27.2],28.2,37	5,[7],8	8,11
	14,16	11	17	18		
M7BHAF	GlobalFiler™ (STRmix)					
	15,15.3,16	21,22,23,24	13,14	16,17,18	11,12,13	
4sp	8,9,10	11,12,13	12,13,16,17	20,21,23,24	8,11,12	11,12
	12,14,15	13,16	30,31.2,32.2	15,16,17	X,Y	10,12
	18,22			27.2,28.2,36,37	5,8	8,11
	14,16	10,11			2	
M86DNC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

MAX634	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MB24UM	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13	13,15,16,17	18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
MC4KHL	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ME436F	Investigator® 24plex (STRmix V2.4.06)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
ME8KA7	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MGDXYK	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MGQGVB	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

MHLAHG	GlobalFiler™ (GMID-X)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MJ2AYQ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MKCKP	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MKQWX8	PowerPlex® Fusion 5C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
MKUBV2	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MLG4FH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	NT
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	NT	NT	28.2,37	5,8	8,11
	14,16	11	NT	NT	2	
MM2GJN	Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

MME6QG	Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
MME92J	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MMHMV8	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MNCMGP	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12,[13]
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MPLJXM	Investigator® 24plex (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
MQ2RFN	Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
MQ2UWF	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

MQWB4H	PowerPlex® 16 HS					
				17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15		30,32.2		X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16					
MT4QBN	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MTKZ4P	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	22,23,24	13,14	17,18	12,13	
4sp	8,10	12,13,14	13,16,17	18.3,21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22,24			27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
MTLVTM	Investigator® 24plex (STRMix)					
	15,15.3,16	22,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,21,22,24			28.2,37	5,7,8	8,11
	14,16	11				
MW428N	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MWJGGJ	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MWMVV6	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,11,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

MYPJP9	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
MZPMCH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
N3NDYN	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	17,18		
N6DLAK	GlobalFiler™ (STRmix v.2.4)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
N6ENMV	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,16,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
N6U2Z8	GlobalFiler™ (TrueAllele)					
	[15],15.3,16,[16.3]	[20],22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15],17	[17],21,24	8,12	11,12
	12,15,[17]	13,[15],16	30,32.2,[35]	[15],16,17	X,Y	10,12
	18,22,[24]			[20],28.2,37	5,[7],8	8,11
	14,16	11			2	
N9AAN7	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

NDMAMJ	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
NE48FH	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NEWBQ6	GlobalFiler™					
	15,3,16	22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10	12,13,[14]	13,17	21,24	8,12	11,12
	12,15	13,[14],16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	11			2	
NG6EFL	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NHXAW4	GlobalFiler™ (STRmix v 2.4.06)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NNK7PK	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
NPFPT8	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

NQQGXG	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NQXJUG	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
NR3D3L	GlobalFiler™ (STRmix (e fraction only))					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NUUF6U	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
NWYWAQ	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
NZLHFK	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,15,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22	9,12	13,17	27.2,28.2,37	5,8	8,11
	14,15,16	11	17	18		
P6RGHX	Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

PBDHE3	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PBVEYP	PowerPlex® Fusion 5C					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
PDGB7F	Investigator® 24plex (STRMix)					
	15,15.3,16	22,23,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
PECUB3	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],17	21,24	8,12	11,12
	12,15,[17]	13,16	30,32.2	16,17	X,Y	10,12
	18,22			[20],28.2,37	5,8	8,11
	14,16	11			2	
PG4YVM	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
PG6M7L	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13,14	13,15,16,17	17,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
PGGL3F	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

PJCZVZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PK42TB	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
PP37VV	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
PQD9JF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PR3L2X	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
PTDFR7	PowerPlex® Fusion (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
PTUQ8Q	GlobalFiler™ (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10	10,12,13	13,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2	16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4sp - STR Results

PUNGD6	PowerPlex® Fusion (STRMix V2.4.08)					
	15,3,16	22,24	13,14	17,18	12	
4sp	8	12	13	24	8	12
	15		30,32.2	16	Y	10,12
	18,22	9,12	17		8	8,11
	INC					
PUTKFW	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PV227E	Investigator® 24plex (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
PVNDYL	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
PWEBJL	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
PWGEWW	Investigator® 24plex QS (TrueAllele)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
PX92MF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

PYJ9JF	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
PZFN9K	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,3,16	22,[23],24	13,14	17,18	12,13	
4sp	8,10	12,13,[14]	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12,[13]
	18,22	9,12	13,17	28.2,37	5,[7],8	8,11
	14,16	11	17	18		
Q3M8QT	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
Q4BT9H	Investigator® 24plex (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
Q6P2QJ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
Q9AVLX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QAXKC6	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

QB8PRE	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QC6UU2	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QKE8PC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
QMHCY	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	NT
4sp	8,10	12,13	13,17	[18.3],21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	NT	NT	28.2,37	5,8	8,11
	14,16	11	NT	NT	2	
QNFGNK	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	[20],22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],[15],16	30,32.2,[35]	16,17	X,Y	10,12,[13]
	18,22	9,12	[12],13,17	[20],[27.2],28.2,37	5,[7],8	8,11
	14,16	11	17	18		
QQRUTG	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22,24	9,12	12,13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QR6LMJ	Identifiler® Plus, PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

QTFNAH	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QTWLKU	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QV38BF	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
QXQJAL	PowerPlex® Fusion 6C (STRmix v2.6.2)					
	[15],15.3,16,[16.3]	[20],22,[23],24	[10],13,14	[14],17,18	12,13	
4sp	8,10,[14]	[10],12,13,[14]	13,[15],[16],17	[17],[18.3],21,24	8,12	11,12
	12,15,[17]	13,[14],[15],16	30,32.2,[35]	[15],16,17	X,Y	10,12,[13]
	18,[21],22,[24]	9,[11],12	[12],13,17	[20],[27.2],28.2,37	5,[7],8	8,11
	14,[15],16	11	17	18		
R22XBW	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
R2G9Y4	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
R2XKC3	PowerPlex® Fusion (STRmixV2.4.08)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	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 4sp - STR Results

R6LWFE	Investigator® 24plex					
	15,3,16,[16.3]	[20],22,[23],24	[10],13,14	17,18	12,13	
4sp	8,10,[14]	12,13	13,[15],[16],17	[18.3],21,24	8,12	11,12
	12,15	13,[14],[15],16	30,32.2,[35]	[15],16,17	X,Y	10,12
	18,[21],22			[27.2],28.2,37	5,[7],8	8,11
	14,16	11				
R7C3UJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
R8M6H4	GlobalFiler™					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,[14],16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
R8R9KV	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RACF9W	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RCY4X4	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RDEDWV	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

REL8H	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RGEL3	Investigator® 24plex QS					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
RJ2VKF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RJ6LNG	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RKGCLZ	GlobalFiler™ (GeneMapper)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RMD6A4	GlobalFiler™ (TrueAllele)					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	[10],12,13,[14]	13,[15],[16],17	21,24	8,12	11,12
	12,15,[17]	13,16	30,32.2,[35]	16,17	X,Y	10,12
	18,22,[24]			[20],28.2,37	5,[7],8	8,11
	14,16	11			2	
RULBHF	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

RVF2NV	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
RWN8V4	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
RYVM7G	GlobalFiler™ (STRmix 2.4)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RZAXDL	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
RZMHTP	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,7,8	8,11
	14,16	11			2	
RZNFYE	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
T6UJBX	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

T6YUFH	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
T7BPN3	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
T8MFX8	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
TABN89	Investigator® 24plex (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
TAMTCJ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TAQBGA	Investigator® 24plex					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
TB4KUG	Investigator® 24plex (STRmix)					
	15,15,3,16	22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	12,13,14	13,15,16,17	21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

TEA2AZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TFHDQ2	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TFZEFP	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TGAHYE	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,(16),17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			(27.2),28.2,37	5,8	8,11
	14,16	11			2	
THPQEU	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
TKV9DQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
TP4QHK	PowerPlex® Fusion 5C					
	15,3,16	22,24	[10],13,14	[14],17,18	12,13	
4sp	8,10	12,13	13,[15],[16],17,[18]	21,[23],24	8,12	11,12
	12,15,[17]	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	[12],13,17		5,[7],8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

TQVM7E	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13,14	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TQWGMY	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TR7BJY	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
TRBRWP	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
TRQ3JB	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			20,28.2,37,38	5,7,8	8,11
	14,16	11			2	
TRUQUN	Identifiler® Plus (STRmix)					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
TT32DK	PowerPlex® Fusion 5C					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

TUKWBE	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	18,3,21,24	8,12	11,12
	12,15,17	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28,2,37	5,7,8	8,11
	14,16	11	17	18		
TUWRJY	GlobalFiler™					
	-,-	22,24	14,-	17,-	12,13	
4sp	8,10	-,-	13,-	21,-	8,12	-,-
	12,15	13,-	30,32.2	16,17	X,Y	12,-
	18,22			28,2,37	5,8	11,-
	-,-	11			2	
TW6PLG	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28,2,37	5,8	8,11
	14,16	11			2	
TXGJ7M	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28,2,37	5,8	8,11
	14,16	11			2	
TXW4DD	PowerPlex® Fusion, GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28,2,37	5,8	8,11
	14,16	11			2	
TXYFPA	GlobalFiler™ (STRmix)					
	15,15,3,16	20,22,23,24	10,13,14	14,16,17,18	11,12,13	
4sp	8,10	10,11,12,13	13,16,17	17,18,3,20,21,23,24	8,11,12	11,12
	12,14,15,17	13,16	30,31,2,32,2	15,16,17	X,Y	10,12
	18,21,22,24			27,2,28,2,36,37	5,7,8	8,11
	14,15,16	10,11			2	
TY6XBY	GlobalFiler™ (STRmix v2.4.06)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28,2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

U3MN3F	Investigator® 24plex (STRMix)					
	14,3,15,15.3,16,16.3	22,24	10,13,14	16,17,18	11,12,13	
4sp	8,10	11,12,13	12,13,15,16,17	17,18,3,21,24	8,11,12	10,11,12
	12,14,15	12,13,14,15,16	29,30,31.2,32.2,35	15,16,17	X,Y	9,10,11,12
	18,21,22			27.2,28.2,36,37	5,7,8	8,11
	14,15,16	11				
U3P4PD	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
U4JUVT	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
U7PG6Q	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13,[14]	13,[16],17	21,[23],24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
U9RA7C	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24*	10,13,14	14,17,18	12,13	Not tested
4sp	8,10,14	10,12,13,14	13,15,16,17*	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24*	Not tested	Not tested	20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11	Not tested	Not tested	2	
UAQFRC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UEZJQR	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5^	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

UEZTAB	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UHMBNF	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
UN39YF	Investigator® 24plex (STRmix)					
	15,15.3,16	20,22,23,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,14,15,16	30,32.2	15,16,17	X,Y	10,12
	18,21,22			27.2,28.2,37	5,8	8,11
	14,15,16	11				
UQEPEE	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UUEWYC	Investigator® 24plex (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
UV8V2G	GlobalFiler™ (STRmix v2.5)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UVPUDU	Investigator® 24plex QS (STRmix)					
	15,15.3,16	22,24	13,14	16,17,18	12,13	
4sp	8,10	12,13	12,13,16,17	21,23,24	8,12	11,12
	12,14,15,17	12,13,15,16	29,30,32.2	15,16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

UWMZV9	GlobalFiler™ (STRmix)					
	15,15.3,16	22,23,24	13,14	16,17,18	12,13	
4sp	8,10	11,12,13	12,13,16,17	20,21,23,24	8,11,12	11,12
	12,14,15	13,16	29,30,32.2	15,16,17	X,Y	10,12,13
	18,21,22			27.2,28.2,36,37	5,8	8,11
	14,16	10,11			2	
UXUJBW	PowerPlex® Fusion 6C (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
UYN9XX	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
UZ3KNF	PowerPlex® ESX 16 Fast					
	15.3,16	22,24	13,14	17,18		
4sp		12,13	13,17	21,24		11,12
	12,15	13,16	30,32.2	16,17	X,Y	
	18,22				5,8	
	14,16					
V49UVB	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,16,17	21,24	8,12	11,12
	12,15	13,14,15,16	30,32.2	16,17	X,Y	10,12,13
	18,22,24			28.2,37	5,8	8,11
	14,16	11			2	
V4D7J8	Investigator® 24plex (STRmix v2.4.06)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
V6QNWK	GlobalFiler™ (STRmix)					
	15.3,16,16.3	20,22,23,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			20,28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

V7KE3Y	PowerPlex® Fusion (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
VAKPWD	PowerPlex® Fusion, GlobalFiler™ (GenMapper)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
VC6JQT	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VCAVPB	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
VDNBWX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
VECR4K	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
VHZ6YA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

VJ8JCG	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,[23],24	8,12,[13]	11,12
	12,15	13,[15],16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
VJB7QA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VLDYRZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VMACC8	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
VMLFGH	PowerPlex® Fusion 5C					
	15,15.3,16,16.3	20,22,23,[24]	10,[13,14]	14,17,18	12,[13]	
4sp	[8],10,[14]	10,12,13,14	13,15,16,17	17,18.3,21,24	[8],12	[11],12
	[12,15],17	13,14,15,16	30,[32.2,35]	15,[16,17]	X,[Y]	10,12,[13]
	18,[21],22,[24]	[9,11],12	12,[13,17]		[5],7,[8]	8,[11]
	14,[15],16	11				
VMQT6E	Investigator® 24plex					
	15,15.3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	21,24	8,12	11,12
	12,15	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
VN4BEC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

VR83MD	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VRJNBT	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
VRNZYP	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
VU7GVA	GlobalFiler™					
	15,15.3,16,16.3*	20,22,23,24	10,13,14	14,17,18*	12,13	Not Tested
4sp	8,10,14*	10,12,13,14	13,15,16,17*	17,18.3,21,24*	8,12	11,12
	12,15,17	13,14,15,16*	30,32.2,35*	15,16,17	X,Y	10,12,13*
	18,21,22,24*	Not Tested	Not Tested	20,27.2,28.2,37*	5,7,8*	8,11
	14,15,16*	11	Not Tested	Not Tested	2	
VX8KPH	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
VYYGDC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
W6EM3U	GlobalFiler™					
	15,15.3,16	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2	15,16,17	X,Y	10,12,13
	18,22,24			27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	

TABLE 2

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

Item 4sp - STR Results

W94T4E	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
W97J7G	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WAEYXU	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,15,16	30,32.2,35	16,17	X,Y	10,12,13
	18,22			20,28.2,37	5,7,8	8,11
	14,16	11			2	
WCHHAA	Investigator® 24plex					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
WCLV3W	Investigator® 24plex QS (Strmix - SF only)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
WGDGGD	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WJ69TJ	GlobalFiler™ (STRmix)					
	15,3,16	20,22,24	10,13,14	17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2	16,17	X,Y	10,12,13
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

WJN4QD	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11			2	
WKC3B	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,[15],16	30,32.2	[15],16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,[15],16	11			2	
WKYYYX	PowerPlex® Fusion 5C (STRMix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	INC				
WMNG6P	PowerPlex® Fusion 6C					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
WNZ3T7	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WQQA7F	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WT7VLF	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

WVXRAA	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WWDZQP	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
WWRFC	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
WZAMBD	PowerPlex® Fusion, GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
WZCFWR	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
WZN7UB	PowerPlex® Fusion 6C					
	15.3,16#	22,24	13,14	17#	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16#	30,32.2#	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
WZTL8B	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

X3VPPP	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
X83J4T	(STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
X8AKCE	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
X9GRLU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,[23],24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
XA9WU8	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
XB64LZ	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
XBAG9W	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

XDLACB	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
XGWB49	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	22,24	10,13,14	14,17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	17,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			27.2,28.2,37	5,8	8,11
	14,15,16	11				
XP739W	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
XRGVCC	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	[10],12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,[7],8	8,11
	14,16	11	N/A	N/A	2	
XRUE93	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
XT69UU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
XVW89T	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

XW986M	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,[16],17	21,24	8,12	11,12
	12,15	13,[15]**,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,[7],8	8,11
	14,16	[10]**,11			2	
XWCKYB	PowerPlex® Fusion 6C (STRMix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
XXZUV6	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
Y3AKKW	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
Y3RKP8	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
Y6W9UB	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YATQG4	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

YCWQB9	PowerPlex® Fusion 6C, GlobalFiler™ (LRmix Studio 2.3.1)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18	2	
YENHPZ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
YFVXW7	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
YGQGZT	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YJEW8F	Identifiler® Plus					
		22,24		17,18	12,13	
4sp	8,10	12,13			8,12	11,12
	12,15	13,16	30,32.2		X,Y	10,12
	18,22				5,8	8,11
	14,16					
YJJC2	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	20,22,24	10,13,14	14,17,18	12,13	
4sp	8,10	12,13	13,15,16,17	17,21,24	8,12	11,12
	12,15	13,14,16	30,32.2	16,17	X,Y	10,12,13
	18,22	9,11,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
YJYV8Y	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	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 4sp - STR Results

YKQRU8	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
YPLQ2B	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YQDVAP	GlobalFiler™ (STRmix 2.4)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YQZYJC	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YR96T7	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YRRYGM	GlobalFiler™ (STRmix)					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YV8FN7	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

YXBB8A	GlobalFiler™ (STRMIX)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YXLRVC	PowerPlex® Fusion 6C					
	15,3,16	22,24	[10],13,14	17,18	12,13	
4sp	8,10	12,13	13,[15],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
YXUZP4	GlobalFiler™					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17,18	X,Y	10,12
	18,21,22,24			28.2	5,7,8	8,11
	14,15,16	11			2	
YYU9LU	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
YZL9KQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
Z2CK7H	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
Z2CPGK	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

Z4Z2FQ	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
Z62W6N	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
Z78JEL	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZAQFZQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZCFP98	Investigator® 24plex QS (STRmix)					
	15,15,3,16	22,23,24	10,13,14	17,18	12,13	
4sp	8,10	12,13	13,16,17	21,24	8,12	11,12
	12,15	13,15,16	30,32.2	15,16,17	X,Y	10,12,13
	18,21,22			27.2,28.2,37	5,7,8	8,11
	14,15,16	11				
ZDPK3B	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZE2P8M	Investigator® 24plex QS (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				

TABLE 2

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

Item 4sp - STR Results

ZEXWL9	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ZEYUQ3	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ZFHLZM	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZGLJ33	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
ZHCQ26	PowerPlex® Fusion 6C					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZHHYEQ	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZMA7X8	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	20,22,23,24	10,13,14	14,17,18	12,13	
4sp	8,10,14	10,12,13,14	13,15,16,17	17,18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12,13
	18,21,22,24			20,27.2,28.2,37	5,7,8	8,11
	14,15,16	11				

TABLE 2

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

Item 4sp - STR Results

ZQRDBA	PowerPlex® Fusion 5C, GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11			2	
ZR3C84	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	
ZR466C	PowerPlex® Fusion 5C					
	15,3,16	22,24	13,14	[16],17,18	12,13	
4sp	8,10	[10],12,13	13,[15],17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17		5,8	8,11
	14,16	11				
ZR8RK4	GlobalFiler™					
	15,3,16	22,24	13,14	17,18	12,13,14	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,29.2,37,38	5,8	8,11
	14,16	11			2	
ZRCXEL	PowerPlex® Fusion 6C (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	9,12	13,17	28.2,37	5,8	8,11
	14,16	11	17	18		
ZUBHT6	Investigator® 24plex (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11				
ZUC76N	GlobalFiler™ (STRmix)					
	15,3,16	22,24	13,14	17,18	12,13	
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22			28.2,37	5,8	8,11
	14,16	11			2	

TABLE 2

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

Item 4sp - STR Results

ZUVY98	Investigator® 24plex (STRmix)					
	15,15.3,16,16.3	22,24	13,14	17,18	12,13	
4sp	8,10	10,12,13	13,15,16,17	18.3,21,24	8,12	11,12
	12,15,17	13,14,15,16	30,32.2,35	15,16,17	X,Y	10,12
	18,21,22			28.2,37	5,7,8	8,11
	14,16	11				
ZZKPJA	GlobalFiler™					
	15.3,16	22,24	13,14	17,18	12,13	N/A
4sp	8,10	12,13	13,17	21,24	8,12	11,12
	12,15	13,16	30,32.2	16,17	X,Y	10,12
	18,22	N/A	N/A	28.2,37	5,8	8,11
	14,16	11	N/A	N/A	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

2M72XP	Yfiler™								
1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
2WUW6	PowerPlex® Y 23								
1	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
4FY6XN	Yfiler™ Plus								
1	[REDACTED]								
4W2ZDZ	PowerPlex® Y 23								
1	[REDACTED]								
AKCYFF	Yfiler™								
1	NR	NR,NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
							NR		NR
D7HMNE	Yfiler™								
1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND	ND	ND	ND
							ND		ND
DAMDWF	Yfiler™								
1	[REDACTED]								
DDLNRF	Yfiler™								
1	[REDACTED]								
EZARWQ	Yfiler™ Plus								
1	[REDACTED]								
FCYWA	Yfiler™								
1	NR	NR,NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
							NR		NR
FGDFAB	Yfiler™								
1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND	ND	ND	ND	ND	ND
							ND		ND

TABLE 3

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

Item 1 - YSTR Results

GAMF2A	Yfiler™								
1		NR	NR, NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
							NR		NR
JGHFBL	PowerPlex® Y 23								
1		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
		NR	NR	NR	NR		NR	NR	NR
JY37AK	PowerPlex® Y 23								
1		-	-	-	-	-	-	-	-
	-	-	-	-		-	-		-
		-	-	-	-		-	-	-
MHLAHG	Yfiler™ Plus								
1									
QNWKAY	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
TQWGMY	Yfiler™ Plus								
1	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TU23LX	Yfiler™								
1		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
WDWRHA	PowerPlex® Y 23								
1									
YCWQB9	PowerPlex® Y 23								
1									
YEHGAR	Yfiler™ AmpFLSTR™ PCR Amplification Kit								
1		-	-	-	-	-	-	-	-
	-	-	-	-		-	-		-
							-		-

TABLE 3

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

Item 2 - YSTR Results

237Q33	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
23Q8H6	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
24D83T	Yfiler™ Plus								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
24FKZM	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
26U329	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
272FCU	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
27HMJX	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
29V7VF	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
2BECZ6	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
2FNGR4	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
2HWUA7	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

2M72XP	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
2NL8BU	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
2PYPKR	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
2VJZF8	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
2WUWW6	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
2ZCYZ4	Yfiler™ Plus, PowerPlex® Y 23								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12	12	17	19	22	23	10	11
38A49Y	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
3AWPY2	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
3CRAY8	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
3EWNKR	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
3HV6XL	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11

TABLE 3

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

Item 2 - YSTR Results

3Q8BKC	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
3TDN97	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
3VGN3B	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
3VVM8	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
3X8LXW	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
3XQHE3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
43XE93	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
4BN6N4	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
4D3BL7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
4DCGN9	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
4E7AG8	Yfiler™								
2	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11

TABLE 3

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

Item 2 - YSTR Results

4EQ7PZ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
4FY6XN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
4GYZ3D	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
4KCZLX	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
4TEUD7	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
4W2ZDZ	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
4X8WFK	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
4Z7JLU	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
62YKD4	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
6B6LFQ	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
6E7KYV	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

6P8Y89	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	23	11	
6QH3CK	Yfiler™ Plus								
2	17	11	17	13	29	23	11	16	14
	12	13	19	37	15	19	22	11,14	29
	13	11	22	35,37	12	10			24
6YNY44	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10	11	
6YWKD8	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
72F3PN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
76B2XR	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10	11	
78GJVN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
7A7T44	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10	11	
7BTLNK	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
7CDB2Y	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10	11	
7EM7W4	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10	11	

TABLE 3

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

Item 2 - YSTR Results

7GRLGN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
7Z2RT6	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
82NPPA	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
832C8N	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
87X389	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
8CW6QF	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
8FX7TY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
8R79R2	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
8VMKNH	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
8XDFUY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
93TV4L	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11

TABLE 3

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

Item 2 - YSTR Results

9988KW	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
9AVZ2X	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
9B9FP8	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
9HU927	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
9J9XZ3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
9NHWTV	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
9RJ29W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
A6HPDV	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
A8QLGD	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
ABL92Z	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
AGR6KZ	Yfiler™								
2	n/a	14	11,14	13	29	24	10	13	13
	15	12	11	19	n/a	16	17	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	23	n/a	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
AHKZ2H	Yfiler™								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
AKCYFF	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
AL2H6K	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
AUHUK7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
AVCKQL	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
B42MBU	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
B8LKXY	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
BK8RY7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
BKMBH4	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
BQ2TB7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
BTKYGV	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
C34R8H	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
C4NGLW	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
CBFVCV	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
CCBCNR	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
CEECHX	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
CK7EQ4	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
CMVRLT	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
CTWZW2	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
CWEE7U	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
CZ68TX	Yfiler™								
2	NA	14	11,14	13	29	24	10	13	13
	15	12	11	19	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	11
CZHT92	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

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

Item 2 - YSTR Results

D7HMNE	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
D9AUMH	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
DAMDWF	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
DD4T9T	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
DDLNRF	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
DFPD6W	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
DJ62H2	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
DWBWZH	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
DX6M6W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
EBPHY3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
ECJ96G	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11

TABLE 3

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

Item 2 - YSTR Results

ECRF4W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
EDJG28	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
EPZY2Q	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
ETA9X2	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
EWV3MF	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
EXRC7W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
EZARWQ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
F2JZXN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
F3UYXY	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
F7CAYA	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
F9346Q	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

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

Item 2 - YSTR Results

F9E2ZU	Yfiler™								
2	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11
F9K98W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
F9L4WU	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
FA9WGC	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
FAD7QP	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
FB8WW4	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
FCYWA	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
FGDFAB	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
FHNQGE	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
FKA9YY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
FKWP39	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
FT8QNA	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
FYVM2Y	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
FYY3GK	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
G4JHKH	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
G7NFMX	Yfiler™								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
GA8EZT	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
GAMF2A	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
GBP6KX	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
GC26HT	Yfiler™								
2	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11
GMX4XD	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
GTMN2T	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11

TABLE 3

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

Item 2 - YSTR Results

GWLZXT	Yfiler™									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17			
							23		11	
H34MCV	Yfiler™ Plus									
	2	35,37	14	11,14	13	29	24	10	13	13
	15		12	11	19	29	16	17	11	22
	37	12			17	19	22	23		11
HAT62R	Yfiler™									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17			
							23		11	
HJTXWC	Yfiler™									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17			
							23		11	
HJVCU7	Yfiler™									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17			
							23		11	
HPHFAN	Yfiler™									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17			
							23		11	
HQFPER	Yfiler™									
	2	N/A	14	11,14	13	29	24	10	13	13
	15		12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11	
HTJFNR	PowerPlex® Y 23									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17		22	
		12	12	17	19		23	10	11	
HUC3EA	Yfiler™ Plus									
	2	35,37	14	11,14	13	29	24	10	13	13
	15		12	11	19	29	16	17	11	22
	37	12			17	19	22	23		11
HW4CAW	PowerPlex® Y 23									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17		22	
		12	12	17	19		23	10	11	
HY66FN	PowerPlex® Y 23									
	2	14	11,14	13	29	24	10	13	13	
	15	12	11	19		16	17		22	
		12	12	17	19		23	10	11	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
J3ELQG									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
J69QJC PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
J6NYLK PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
J9CJJ3 PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JA4F7B Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
JBEE36 Yfiler™									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
JBZQAQ Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
JC83TM PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JDNCRF PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JGHFBL PowerPlex® Y 23									
2		inc	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JJ7RAR PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

JJM4RW	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
JMPWRM	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JN3E2K	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
JPXUFC	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
JVNG2A	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
JY37AK	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
K4V8ML	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
K689Z8	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
K8B2ZX	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
KBQMHI	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
KGGTHE	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

KRWR4A									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
KRY624 Yfiler™									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
KTFFZW Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
KUL2DB Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
KVYL7L PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
KX67V8 Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
L86399 Yfiler™									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
L8B7BZ Yfiler™									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
LF6B62 PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
LFY93A Yfiler™ Plus									
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
LHR6K3 PowerPlex® Y 23									
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

LZ7FG9	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
M86DNC	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MB24UM	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
MC4KHL	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
ME8KA7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MFUDUN	Yfiler™								
2	NA	14	11,14	13	29	24	10	13	13
	15	12	11	19	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	11
MHLAHG	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MJ2AYQ	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
MKCKP	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MKQWX8	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
MKUBV2	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11

TABLE 3

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

Item 2 - YSTR Results

MLG4FH	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12	NT	17	19	22	23	NT	11
MME92J	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
MMHMV8	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MNCMGP	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MP6EFN	Yfiler™								
2	NA	14	11,14	13	29	24	10	13	13
	15	12	11	19	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	11
MPLJXM	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
MQFG2M	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
MQWB4H	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
MTKZ4P	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
MUETWM	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
MYPJP9	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

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

Item 2 - YSTR Results

MZPMCH	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
N7NR7L	Yfiler™								
2	NA	14	11,14	13	29	24	10	13	13
	15	12	11	19	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	23	NA	11
N9AAN7	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
N9ZAYR	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
NE48FH	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
NG6EFL	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
NHXAW4	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
NQQGXG	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
NR3D3L	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
NWYWAQ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
P6RGHX	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11

TABLE 3

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

Item 2 - YSTR Results

PBDHE3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
PBVEYP	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
PECUB3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
PG4YVM	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
PG6M7L	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
PJCZVZ	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
PLEUWP	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
PTDFR7	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
PTUQ8Q	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
PUNGD6	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
PVNDYL	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

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

Item 2 - YSTR Results

PWGEWW	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
PX92MF	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
PZYCQE	Yfiler™ Plus								
	2	35,37	14	11,14	13	29	24	10	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
QAXKC6	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
QC6UU2	Yfiler™ Plus								
	2	35,37	14	11,14	13	29	24	10	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
QNWKAY	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
R22XBW	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
R2G9Y4	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
R2XKC3	Yfiler™								
	2	14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		11
							23		
R4CVNE	Yfiler™ Plus								
	2	35,37	14	11,14	13	29	24	10	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
R8M6H4	Yfiler™ Plus								
	2	35,37	14	11,14	13	29	24	10	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
RGECL3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
RMD6A4	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
RWN8V4	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
RZAXDL	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
RZMHTP	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
RZNFYE	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
T7BPN3	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TAMTCJ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TDTVKA	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
TEA2AZ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TFHDQ2	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
TGAHYE	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TJW3ZC	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
TP4QHK	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
TQWGMY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TR7BJY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TRQ3JB	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TRUQUN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TT32DK	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
TU23LX	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
TUWRJY	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
TXW4DD	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

UAQFRC	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
UMY4WT	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
UUEWYC	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
UYN9XX	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
V6QNWK	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
V7KE3Y	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11
V8VDW9	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
VAKPWD	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			22
		12	12	17	19	23	10		11
VECR4K	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
VJB7QA	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
VMACC8	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23			11

TABLE 3

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

Item 2 - YSTR Results

VMLFGH	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
VQVATB	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
VR83MD	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23		11	
VRJNBT	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23		11	
VYYGDC	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23		11	
W6EM3U	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
W94T4E	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
W97J7G	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17			
						23		11	
WAEYXU	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
WDWRHA	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
WGDGGD	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
WJ69TJ	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
WJN4QD	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
WKC3B	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
WKYYYX	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
WMNG6P	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
WQQA7F	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
WT7VLF	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
WWDZQP	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
WWRFWC	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
WZAMBD	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
WZCFWR	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11

TABLE 3

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

Item 2 - YSTR Results

XA9WU8	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
XP739W	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
XRGVCC	Yfiler™								
2	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11
XT69UU	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
XVW89T	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
Y3AKKW	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
Y6W9UB	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
YATQG4	Yfiler™								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
YCWQB9	PowerPlex® Y 23								
2		14	/	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11
YEHGAR	Yfiler™ AmpFLSTR™ PCR Amplification Kit								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		
							23		11
YENHPZ	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
	15	12	11	19		16	17		22
		12	12	17	19		23	10	11

TABLE 3

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

Item 2 - YSTR Results

YGQGZT	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YJEW8F	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YJYV8Y	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
		15	12	11	19	16	17		22
		12	12	17	19		23	10	11
YKCBP7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YKQRU8	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
		15	12	11	19	16	17		22
		12	12	17	19		23	10	11
YNCKM7	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YQZYJC	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YWPPN	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
YYU9LU	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12		17	19	22	23		11
Z78JEL	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
		15	12	11	19	16	17		22
		12	12	17	19		23	10	11
ZCFP98	PowerPlex® Y 23								
2		14	11,14	13	29	24	10	13	13
		15	12	11	19	16	17		22
		12	12	17	19		23	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
ZFHLZM	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
ZGLJ33	Yfiler™								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
						23		11	
ZQRDBA	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
ZR8RK4	Yfiler™ Plus								
2	35,37	14	11,14	13	29	24	10	13	13
	15	12	11	19	29	16	17	11	22
	37	12	17	19	22	23		11	
ZRCXEL	PowerPlex® Y 23								
2	14	11,14	13	29	24	10	13	13	
	15	12	11	19	16	17	22		
	12	12	17	19		23	10	11	
ZZKPJA	Yfiler™								
2	N/A	14	11,14	13	29	24	10	13	13
	15	12	11	19	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	11

TABLE 3

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

Item 3 - YSTR Results

29V7VF	Yfiler™ Plus								
3	[REDACTED]								
2M72XP	Yfiler™								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
2WUWW6	PowerPlex® Y 23								
3	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result	No Result
3TDN97	PowerPlex® Y 23								
3	[REDACTED]								
4FY6XN	Yfiler™ Plus								
3	[REDACTED]								
4W2ZDZ	PowerPlex® Y 23								
3	[REDACTED]								
6YNY44	PowerPlex® Y 23								
3	[REDACTED]								
7CDB2Y	PowerPlex® Y 23								
3		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
		NR	NR	NR	NR		NR	NR	NR
AGR6KZ	Yfiler™								
3	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
AKCYFF	Yfiler™								
3		NR	NR, NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		NR
							NR		NR
B42MBU	Yfiler™ Plus								
3	[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 3 - YSTR Results

D7HMNE	Yfiler™								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
EZARWQ	Yfiler™ Plus								
3	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR		NR	NR	NR	NR		NR
FGDFAB	Yfiler™								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
JY37AK	PowerPlex® Y 23								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
MHLAHG	Yfiler™ Plus								
3									
QNWKAY	Yfiler™								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
TQWGMY	Yfiler™ Plus								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
TU23LX	Yfiler™								
3		ND	ND	ND	ND	ND	ND	ND	ND
	ND	ND	ND	ND		ND	ND		ND
							ND		ND
WDWRHA	PowerPlex® Y 23								
3									
YEHGAR	Yfiler™ AmpFLSTR™ PCR Amplification Kit								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	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

237Q33	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2NL8BU	Yfiler™								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
4W2ZDZ	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
8XDFUY	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
9NHWTV	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AKCYFF	Yfiler™								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
EZARWQ	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
F2JZXN	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
F9346Q	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FA9WGC	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
FCYWA	Yfiler™								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4 - YSTR Results

FYVM2Y	Yfiler™ Plus									
	4	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
GAMF2A	Yfiler™									
	4		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
							25			11
JN3E2K	Yfiler™ Plus									
	4	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
JY37AK	PowerPlex® Y 23									
	4		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
		12	13	17	18		25	10		11
L86399	Yfiler™									
	4		15	11,14	12	28	23	11	13	13
		15	12	13	18		16	17		22
							25			11
MC4KHL	Yfiler™ Plus									
	4	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
MFUDUN	Yfiler™									
	4	NA	15	11,14	12	28	23	11	13	13
		15	12	13	18	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	25	NA		11
MP6EFN	Yfiler™									
	4	NA	15	11,14	12	28	23	11	13	13
		15	12	13	18	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	25	NA		11
N7NR7L	Yfiler™									
	4	NA	15	11,14	12	28	23	11	13	13
		15	12	13	18	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	25	NA		11
PZYCQE	Yfiler™ Plus									
	4	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11
R4CVNE	Yfiler™ Plus									
	4	35,37	15	11,14	12	28	23	11	13	13
		15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25			11

TABLE 3

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

Item 4 - YSTR Results

RGECL3	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TJW3ZC	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VQVATB	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WDWRHA	PowerPlex® Y 23								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YEHGAR	Yfiler™ AmpFLSTR™ PCR Amplification Kit								
4		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
YKCBP7	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YNCKM7	Yfiler™ Plus								
4	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

23Q8H6	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
24D83T	Yfiler™								
4e									
24FKZM	Yfiler™								
4e									
26U329	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
272FCU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,(38)	12		17	18	22	25		11
27HMJX	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
29V7VF	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2BECZ6	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2FNGR4	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2HWUA7	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2M72XP	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

2PYPKR	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2VJZF8	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2WUWW6	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2ZCYZ4	Yfiler™ Plus, PowerPlex® Y 23								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	13	17	18	22	25	10	11
38A49Y	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
3AWPY2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
3CRAY8	PowerPlex® Y 23								
4e									
3EWNKR	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
3HV6XL	Yfiler™								
4e									
3Q8BKC	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
3TDN97	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

3VGN3B	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	[12],13	18	16	17	25	11	
3VVM8	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	25	10	22
		12	13	17	18	25	10	11	
3X8LXW	PowerPlex® Y 23								
4e									
3XQHE3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
43XE93	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
4BN6N4	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
4D3BL7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4DCGN9	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4E7AG8	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
4EQ7PZ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
4FY6XN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

4GYZ3D	Yfiler™ Plus								
4e	[REDACTED]								
4TEUD7	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
4X8WFK	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			22
		12	13	17	18	25	10		11
4Z7JLU	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			22
		12	13	17	18	25	10		11
62YKD4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
6B6LFQ	Yfiler™								
4e	[REDACTED]								
6E7KYV	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			22
		12	13	17	18	25	10		11
6P8Y89	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
6QH3CK	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
6YNY44	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			22
		12	13	17	18	25	10		11
6YWKD8	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

72F3PN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
76B2XR	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
78GJVN	Yfiler™ Plus								
4e									
7A7T44	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7BTLNK	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
7CDB2Y	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7EM7W4	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7GRLGN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
7Z2RT6	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
82NPPA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
832C8N	PowerPlex® Y 23								
4e									

TABLE 3

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

Item 4e - YSTR Results

87X389	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8CW6QF	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8FX7TY	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8R79R2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8VMKNH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
93TV4L	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
9988KW	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
9AVZ2X	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
9B9FP8	Yfiler™ Plus								
4e									
9HU927	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
9J9XZ3	Yfiler™ Plus								
4e									

TABLE 3

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

Item 4e - YSTR Results

9RJ29W	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
A6HPDV	Yfiler™								
4e									
A8QLGD	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ABL92Z	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AGR6KZ	Yfiler™								
4e	n/a	15	11,14	12	28	23	11	13	13
	15	12	13	18	n/a	16	17	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	25	n/a	11
AHKZ2H	Yfiler™								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AL2H6K	Yfiler™								
4e									
AUHUK7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AVCKQL	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
B42MBU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
B8LKXY	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

BK8RY7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
BQ2TB7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
BTKYGV	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
C34R8H	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
C4NGLW	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CBFVCV	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CCBCNR	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
CEECHX	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CK7EQ4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CMVRLT	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CTWZW2	Yfiler™								
4e									

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4e - YSTR Results									
CWEE7U	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
CZ68TX	Yfiler™								
4e	NA	15	11,14	12	28	23	11	13	13
	15	12	13	18	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	25	NA	11
CZHT92	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
D7HMNE	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
D9AUMH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
DD4T9T	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DFPD6W	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
DJ62H2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DWBWZH	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
DX6M6W	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EBPHY3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

ECJ96G	Yfiler™								
4e	[Redacted]								
ECRF4W	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EDJG28	PowerPlex® Y Y3								
4e	[Redacted]								
EPZY2Q	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ETA9X2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EWV3MF	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EXRC7W	Yfiler™ Plus								
4e	[Redacted]								
F3UYXY	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
F7CAYA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
F9E2ZU	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
F9K98W	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

F9L4WU	PowerPlex® Y 23								
4e	15	11,14				16	17		13
			13		18				10
FAD7QP	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FB8WW4	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13		13
	15	12	13	18	16	17			22
		12	13	17	18		25	10	11
FGDFAB	Yfiler™								
4e	15	11,14	12	28	23	11	13		13
	15	12	13	18	16	17			
							25		11
FHNQGE	Yfiler™								
4e	15	11,14	12	28	23	11	13		13
	15	12	13	18	16	17			
							25		11
FKA9YY	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FKWP39	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13		13
	15	12	13	18	16	17			22
		12	13	17	18		25	10	11
FT8QNA	Yfiler™								
4e									
FYY3GK	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13		13
	15	12	13	18	16	17			22
		12	13	17	18		25	10	11
G4JHKH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G7NFMX	Yfiler™, Yfiler™ Plus								
4e									

TABLE 3

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

Item 4e - YSTR Results

GA8EZT	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
GBP6KX	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
GC26HT	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
GMX4XD	Yfiler™								
4e									
GTMN2T	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
GWLZXT	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
H34MCV	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HAT62R	Yfiler™								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
HJTXWC	Yfiler™								
4e									
HJVCU7	Yfiler™								
4e									
HPHFAN	Yfiler™								
4e									

TABLE 3

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

Item 4e - YSTR Results

HQFPER	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
HTJFNR	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
HUC3EA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HW4CAW	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
HY66FN	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
J69QJC	PowerPlex® Y 23								
4e									
J9CJJ3	PowerPlex® Y 23								
4e									
JA4F7B	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JBEE36	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
JBZQAQ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JC83TM	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

JDNCRF	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
JGHFBL	Yfiler™ 23								
4e	inc	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
JJ7RAR	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
JJM4RW	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JMPWRM	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
JPXUFC	PowerPlex® Y 23								
4e	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
JVNG2A	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K4V8ML	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K689Z8	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K8B2ZX	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KBQMHI	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

KGGTHE 4e	PowerPlex® Y 23								
	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
	12	13	17	18		25	10	11	
KRWR4A 4e	Yfiler™								
	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
						25		11	
KRY624 4e	Yfiler™								
	[Redacted]								
	[Redacted]								
KTFFZW 4e	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KUL2DB 4e	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KVYL7L 4e	PowerPlex® Y 23								
	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
	12	13	17	18		25	10	11	
KX67V8 4e	Yfiler™ Plus								
	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
L8B7BZ 4e	Yfiler™								
	[Redacted]								
	[Redacted]								
LF6B62 4e	PowerPlex® Y 23								
	[Redacted]								
	[Redacted]								
LFY93A 4e	Yfiler™ Plus								
	35,37	15	11,14	12	-	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
LHR6K3 4e	PowerPlex® Y 23								
	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
	12	13	17	18		25	10	11	

TABLE 3

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

Item 4e - YSTR Results

LZ7FG9	Yfiler™								
4e									
M86DNC	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MB24UM	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ME8KA7	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MHLAHG	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MJ2AYQ	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
MKCKP	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MKQWX8	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
MKUBV2	Yfiler™								
4e									
MLG4FH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	NT	17	18	22	25	NT	11
MME92J	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

MMHMV8	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MNCMGP	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MPLJXM	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
MQWB4H	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
MTKZ4P	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MYPJP9	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
MZPMCH	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
N9AAN7	Yfiler™								
4e									
N9ZAYR	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
NE48FH	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
NG6EFL	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

NHXAW4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
NQQGXG	Yfiler™ Plus								
4e									
NR3D3L	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
NWYWAQ	Yfiler™ Plus								
4e									
PBDHE3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PBVEYP	Yfiler™								
4e									
PECUB3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PG4YVM	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
PG6M7L	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
PJCZVZ	Yfiler™								
4e									
PLEUWP	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4e - YSTR Results

PTDFR7	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
PTUQ8Q	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PUNGD6	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
PVNDYL	Yfiler™ Plus								
4e									
PWGEWW	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
PX92MF	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
QAXKC6	Yfiler™								
4e									
QC6UU2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
QNWKAY	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
R22XBW	Yfiler™								
4e									
R2G9Y4	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

R2XKC3	Yfiler™								
4e									
R8M6H4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
RMD6A4	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
RWN8V4	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
RZAXDL	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
RZMHTP	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
RZNFYE	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
T7BPN3	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TAMTCJ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TEA2AZ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TFHDQ2	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

TGAHYE	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TP4QHK	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
TQWGMY	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TR7BJY	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TRQ3JB	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TRUQUN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TT32DK	Yfiler™								
4e									
TU23LX	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
TUWRJY	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	-
	37	12		17	18	22	25		11
TXW4DD	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
UAQFRC	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

UMY4WT	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
UUEWYC	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
UYN9XX	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
V6QNWK	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
V7KE3Y	Yfiler™								
4e									
VAKPWD	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VECR4K	Yfiler™ Plus								
4e									
VJB7QA	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
VMACC8	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VMLFGH	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VR83MD	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4e - YSTR Results

VRJNBT	Yfiler™								
4e	[REDACTED]								
VYYGDC									
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
W6EM3U	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
W94T4E	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
W97J7G	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WAEYXU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
WGDGGD	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WJ69TJ	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WJN4QD	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WKC3B	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WKYYYX	Yfiler™								
4e	[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 4e - YSTR Results

WMNG6P	PowerPlex® Y 23								
4e	[Redacted]								
WQQA7F	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WT7VLF	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WWDZQP	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
WWRFWC	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
WZAMBD	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
WZCFWR	Yfiler™								
4e	[Redacted]								
XA9WU8	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
XP739W	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
XRGVCC	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
XT69UU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

XVW89T	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
Y3AKKW	PowerPlex® Y 23								
4e									
Y6W9UB	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YATQG4	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
YCWQB9	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YENHPZ	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YGQGZT	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YJEW8F	Yfiler™ Plus								
4e									
YJYV8Y	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YKQRU8	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YQZYJC	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4e - YSTR Results

YVPPN	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YYU9LU	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
Z78JEL	PowerPlex® Y 23								
4e									
ZCFP98	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ZFHLZM	PowerPlex® Y 23								
4e									
ZGLJ33	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
ZQRDBA	Yfiler™								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ZR8RK4	Yfiler™ Plus								
4e	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
ZRCXEL	PowerPlex® Y 23								
4e		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
ZZKPJA	Yfiler™								
4e	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11

TABLE 3

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

Item 4sp - YSTR Results

23Q8H6	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
24D83T	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
24FKZM	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
26U329	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
272FCU	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,(38)	12		17	18	22	25		11
27HMJX	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
29V7VF	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2BECZ6	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2FNGR4	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2HWUA7	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2M72XP	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

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

Item 4sp - YSTR Results

2PYPKR	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2VJZF8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
2WUWW6	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
2ZCYZ4	Yfiler™ Plus, PowerPlex® Y 23								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	13	17	18	22	25	10	11
38A49Y	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
3AWPY2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
3CRAY8	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
3EWNKR	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
3HV6XL	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
3Q8BKC	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
3TDN97	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

3VGN3B	Yfiler™								
4sp									
3VVM8	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
3X8LXW	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
3XQHE3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
43XE93	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
4BN6N4	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
4D3BL7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4DCGN9	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4E7AG8	Yfiler™								
4sp	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
4EQ7PZ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4FY6XN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

4GYZ3D	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
4TEUD7	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
4X8WFK	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
4Z7JLU	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
62YKD4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
6B6LFQ	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
6E7KYV	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
6P8Y89	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
6QH3CK	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
6YNY44	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
6YWKD8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
72F3PN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
76B2XR	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
78GJVN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
7A7T44	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7BTLNK	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
7CDB2Y	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7EM7W4	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
7GRLGN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
7Z2RT6	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
82NPPA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
832C8N	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

87X389	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8CW6QF	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8FX7TY	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8R79R2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
8VMKNH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
93TV4L	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
9988KW	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
9AVZ2X	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
9B9FP8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
9HU927	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
9J9XZ3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
9RJ29W	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
A6HPDV	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
A8QLGD	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ABL92Z	Yfiler™								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AGR6KZ	Yfiler™								
4sp	n/a	15	11,14	12	28	23	11	13	13
	15	12	13	18	n/a	16	17	n/a	n/a
	n/a	n/a	n/a	n/a	n/a	n/a	25	n/a	11
AHKZ2H	Yfiler™								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AL2H6K	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
AUHUK7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
AVCKQL	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
B42MBU	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
B8LKXY	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

BK8RY7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
BQ2TB7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
BTKYGV	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		22
		12	13	17	18		25	10	11
C34R8H	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
C4NGLW	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CBFVCV	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CCBCNR	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
CEECHX	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
		15	12	13	18	16	17		
							25		11
CK7EQ4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CMVRLT	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
CTWZW2	Yfiler™								
4sp		(13),15	11,14	12	28	23	(9),11	13	13
		15	12	13	18	16	17		
							25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
CWEE7U	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
CZ68TX	Yfiler™								
4sp	NA	15	11,14	12	28	23	11	13	13
	15	12	13	18	NA	16	17	NA	NA
	NA	NA	NA	NA	NA	NA	25	NA	11
CZHT92	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
D7HMNE	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
D9AUMH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
DD4T9T	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DFPD6W	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
DJ62H2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
DWBWZH	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
DX6M6W	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EBPHY3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
ECJ96G	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
ECRF4W	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EDJG28	PowerPlex® Y Y3								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
EPZY2Q	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
ETA9X2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EWV3MF	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
EXRC7W	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
F3UYXY	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	NT
F7CAYA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
F9E2ZU	Yfiler™								
4sp	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
F9K98W	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
F9L4WU	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
FAD7QP	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FB8WW4	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
FGDFAB	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
FHNQGE	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
FKA9YY	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
FKWP39	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
FT8QNA	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
FYY3GK	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
G4JHKH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
G7NFMX	Yfiler™, Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

GA8EZT	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
	12	13	17	18		25	10	11	
GBP6KX	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17	22		
	12	13	17	18		25	10	11	
GC26HT	Yfiler™								
4sp	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
GMX4XD	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
GTMN2T	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
GWLZXT	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
H34MCV	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HAT62R	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
HJTXWC	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
HJVCU7	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
HPHFAN	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	

TABLE 3

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

Item 4sp - YSTR Results

HQFPER	Yfiler™								
4sp	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11
HTJFNR	PowerPlex® Y 23								
4sp									
HUC3EA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
HW4CAW	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
HY66FN	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
J3ELQG									
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
J69QJC	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
J9CJJ3	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
JA4F7B	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JBEE36	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
JBZQAQ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

JC83TM	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JDNCRF	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JGHFBL	Yfiler™ 23								
4sp	inc	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JJ7RAR	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JJM4RW	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
JMPWRM	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JPXUFC	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
JVNG2A	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K4V8ML	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K689Z8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
K8B2ZX	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

KBQMHI	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KGGTHE	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
KRWR4A	Yfiler™								
4sp									
KRY624	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
							25		11
KTFFZW	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KUL2DB	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
KVYL7L	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
KX67V8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
L8B7BZ	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
							25		11
LF6B62	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
LFY93A	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
LHR6K3	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
LZ7FG9	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
M86DNC	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MB24UM	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
ME8KA7	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MHLAHG	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MJ2AYQ	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
MKCKP	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MKQWX8	Yfiler™								
4sp	15	11,14	12	26	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
MKUBV2	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25		11	
MLG4FH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12	NT	17	18	22	25	NT	11

TABLE 3

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

Item 4sp - YSTR Results

MME92J	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
MMHMV8	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MNCMGP	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MPLJXM	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
MQWB4H	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
MTKZ4P	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
MYPJP9	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
MZPMCH	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
N9AAN7	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
N9ZAYR	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
NE48FH	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
NG6EFL	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
NHXAW4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
NQQGXG	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
NR3D3L	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
NWYWAQ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PBDHE3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PBVEYP	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
PECUB3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PG4YVM	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
PG6M7L	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
PJCZVZ	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11

TABLE 3

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

Item 4sp - YSTR Results

PLEUWP	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18		25	10	11
PTDFR7	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
PTUQ8Q	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PUNGD6	Yfiler™								
4sp									
PVNDYL	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
PWGEWW	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
PX92MF	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
QAXKC6	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
QC6UU2	Yfiler™ Plus								
4sp	35,37	15	14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12			18	22	25		11
QNWKAY	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
R22XBW	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11

TABLE 3

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

Item 4sp - YSTR Results

R2G9Y4	Yfiler™								
4sp	[REDACTED]								
R2XKC3	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
R8M6H4	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
RMD6A4	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			22
		12	13	17	18	25	10		11
RWN8V4	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
RZAXDL	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
RZMHTP	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
RZNFYE	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
T7BPN3	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TAMTCJ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TEA2AZ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11

TABLE 3

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

Item 4sp - YSTR Results

TFHDQ2	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TGAHYE	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TP4QHK	Yfiler™								
4sp									
TQWGMY	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TR7BJY	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TRQ3JB	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
TRUQUN	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
TT32DK	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
TU23LX	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
TUWRJY	Yfiler™ Plus								
4sp	37,-	15	-,	12	-	23	11	13	13
	15	12	13	18	-	-	17	11	22
	-	-	-	-	18	22	-	-	11
TXW4DD	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
UAQFRC	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
UMY4WT	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
UUEWYC	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
UYN9XX	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
V6QNWK	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
V7KE3Y	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VAKPWD	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
VECR4K	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16,[17]	17	11	22
	37,[38]	12		17	18	22	25		11
VJB7QA	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
VMACC8	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VMLFGH	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

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

Item 4sp - YSTR Results

VR83MD	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VRJNBT	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
VYYGDC	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
W6EM3U	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
W94T4E	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
W97J7G	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
WAEYXU	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,38	12		17	18	22	25		11
WGDGGD	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WJ69TJ	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WJN4QD	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WKCN3B	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 4sp - YSTR Results									
WKYYYX	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
WMNG6P	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
WQQA7F	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WT7VLF	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
WWDZQP	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
WWRFWC	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
WZAMBD	PowerPlex® Y 23								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17		22	
		12	13	17	18	25	10	11	
WZCFWR	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
XA9WU8	Yfiler™								
4sp	15	11,14	12	28	23	11	13	13	
	15	12	13	18	16	17			
						25			11
XP739W	Yfiler™ Plus								
4sp									
XRGVCC	Yfiler™								
4sp	N/A	15	11,14	12	28	23	11	13	13
	15	12	13	18	N/A	16	17	N/A	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11

TABLE 3

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

Item 4sp - YSTR Results

XT69UU	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
XVW89T	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37,[38]	12		17	18	22	25		11
Y3AKKW	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
Y6W9UB	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YATQG4	Yfiler™								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		
							25		11
YCWQB9	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YENHPZ	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YGQGZT	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YJEW8F	Yfiler™ Plus								
4sp	35,37	15	11,14	12	28	23	11	13	13
	15	12	13	18	29	16	17	11	22
	37	12		17	18	22	25		11
YJYV8Y	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11
YKQRU8	PowerPlex® Y 23								
4sp		15	11,14	12	28	23	11	13	13
	15	12	13	18		16	17		22
		12	13	17	18		25	10	11

TABLE 3

WebCode	Amplification Kit									
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4sp - YSTR Results										
YQZYJC	Yfiler™ Plus									
4sp	35,37	15	11,14	12	28	23	11	13	13	
	15	12	13	18	29	16	17	11	22	
	37	12		17	18	22	25		11	
YVPPN	Yfiler™ Plus									
4sp	35,37	15	11,14	12	28	23	11	13	13	
	15	12	13	18	29	16	17	11	22	
	37	12		17	18	22	25		11	
YYU9LU	Yfiler™ Plus									
4sp	35,37	15	11,14	12	28	23	11	13	13	
	15	12	13	18	29	16	17	11	22	
	37	12		17	18	22	25		11	
Z78JEL	PowerPlex® Y 23									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17		22	
		12	13	17	18		25	10	11	
ZCFP98	PowerPlex® Y 23									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17		22	
		12	13	17	18		25	10	11	
ZFHLZM	PowerPlex® Y 23									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17		22	
		12	13	17	18		25	10	11	
ZGLJ33	Yfiler™									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17			
							25		11	
ZQRDBA	Yfiler™									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17		22	
		12	13	17	18		25	10	11	
ZR8RK4	Yfiler™ Plus									
4sp	35,37	15	11,14	12	28	23	11	13	13	
	15	12	13	18	29	16	17	11	22	
	37,38	12		17	18	22	25		11	
ZRCXEL	PowerPlex® Y 23									
4sp		15	11,14	12	28	23	11	13	13	
	15	12	13	18		16	17		22	
		12	13	17	18		25	10	11	
ZZKPJA	Yfiler™									
4sp	N/A	15	11,14	12	28	23	11	13	13	
	15	12	13	18	N/A	16	17	N/A	N/A	
	N/A	N/A	N/A	N/A	N/A	N/A	25	N/A	11	

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
QS1	2PE96N	Q	Q	Q				Q	Q
	WCLV3W	Q	Q	Q				Q	Q
QS2	2PE96N	S	S	S				S	S
	WCLV3W	S	S	S				S	S

Mitochondrial DNA - HVRI Results

TABLE 5a - ITEM 1

Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0	16519.0
ITEM 1					
2CLLZN	T	C	C	T	
2ZCYZ4	T	C	C	T	C
3GUJQ9	T	C	C	T	
4ELQCZ	T	C	C	T	C
7UU9EJ	T	C	C	T	C
8Q4KE4	T	C	C	T	
9DD8FY	T	C	C	T	
9WQM2Z	T	C	C	T	
AJFEU2	T	C	C	T	
B3TF4U	T	C	C	T	C
B6W9XT	T	C	C	T	C
DX6M6W	T	C	C	T	
EPCU9Q	T	C	C	T	C
EW9V4B	T	C	C	T	
FYVM2Y	T	C	C	T	
HEVERT	T	C	C	T	
JAJTJL	T	C	C	T	
JY37AK	T	C	C	T	
KZ9QXL	T	C	C	T	
LLXMJ	T	C	C	T	
M8Z6BH	T	C	C	T	
MHLAHG	T	C	C	T	
MW428N	T	C	C	T	
P28KHL	T	C	C	T	
QWVYAF	T	C	C	T	C
RGECL3	T	C	C	T	C
UXBMXB	T	C	C	T	
WBPLYU	T	C	C	T	C
WE9NME	T	C	C	T	
WVETDC	T	C	C	T	
WYHNWE	T	C	C	T	
WZTL8B	T	C	C	T	
XKRF7R	T	C	C	T	C
Y8KNK7	T	C	C	T	C
YEHGAR	T	C	C	T	
YN9X89	T	C	C	T	
ZQJWGA	T	C	C	T	

TABLE 5a - ITEM 2

Polymorphisms from Reference Sequence

	16126.0	16187.0	16189.0	16223.0	16264.0	16270.0	16278.0	16293.0	16311.0	16519.0
ITEM 2										
2CLLZN	C	T	C	T	T	T	T	G	C	
2ZCYZ4	C	T	C	T	T	T	T	G	C	C
3GUJQ9	C	T	C	T	T	T	T	G	C	
4ELQCZ	C	T	C	T	T	T	T	G	C	C
7UU9EJ	C	T	C	T	T	T	T	G	C	C
8Q4KE4	C	T	C	T	T	T	T	G	C	
9DD8FY	C	T	C	T	T	T	T	G	C	
9WQM2Z	C	T	C	T	T	T	T	G	C	
AJFEU2	C	T	C	T	T	T	T	G	C	
B3TF4U	C	T	C	T	T	T	T	G	C	C
B6W9XT	C	T	C	T	T	T	T	G	C	C
DX6M6W	C	T	C	T	T	T	T	G	C	
EPCU9Q	C	T	C	T	T	T	T	G	C	C
EW9V4B	C	T	C	T	T	T	T	G	C	
FYVM2Y	C	T	C	T	T	T	T	G	C	
HEVERT	C	T	C	T	T	T	T	G	C	
JAJTJL	C	T	C	T	T	T	T	G	C	
JY37AK	C	T	C	T	T	T	T	G	C	
KZ9QXL	C	T	C	T	T	T	T	G	C	
LLLXMJ	C	T	C	T	T	T	T	G	C	
M8Z6BH	C	T	C	T	T	T	T	G	C	
MHLAHG	C	T	C	T	T	T	T	G	C	
MW428N	C	T	C	T	T	T	T	G	C	
P28KHL	C	T	C	T	T	T	T	G	C	
QWVYAF	C	T	C	T	T	T	T	G	C	C
RGECL3	C	T	C	T	T	T	T	G	C	C
UXBMXB	C	T	C	T	T	T	T	G	C	
WBPLYU	C	T	C	T	T	T	T	G	C	C
WE9NME	C	T	C	T	T	T	T	G	C	
WVETDC	C	T	C	T	T	T	T	G	C	
WYHNWE	C	T	C	T	T	T	T	G	C	
WZTL8B	C	T	C	T	T	T	T	G	C	
XKRF7R	C	T	C	T	T	T	T	G	C	C
Y8KNK7	C	T	C	T	T	T	T	G	C	C
YEHGAR	C	T	C	T	T	T	T	G	C	
YN9X89	C	T	C	T	T	T	T	G	C	
ZQJWGA	C	T	C	T	T	T	T	G	C	

TABLE 5a - ITEM 3

Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0	16519.0
ITEM 3					
2CLLZN	T	C	C	T	
2ZCYZ4	T	C	C	T	C
3GUJQ9	T	C	C	T	
4ELQCZ	T	C	C	T	
7UU9EJ	T	C	C	T	
8Q4KE4	T	C	C	T	
9DD8FY	T	C	C	T	
9WQM2Z	T	C	C	T	
AJFEU2	T	C	C	T	
B3TF4U	T	C	C	T	C
B6W9XT	T	C	C	T	
DX6M6W	T	C	C	T	
EPCU9Q	T	C	C	T	
EW9V4B	T	C	C	T	
FYVM2Y	T	C	C	T	
HEVERT	T	C	C	T	
JAJTJL	T	C	C	T	
JY37AK	T	C	C	T	
KZ9QXL	T	C	C	T	
MHLAHG	T	C	C	T	
MW428N	T	C	C	T	
P28KHL	T	C	C	T	
QWVYAF	T	C	C	T	C
WBNLYU	T	C	C	T	
WE9NME	T	C	C	T	
WVETDC	T	C	C	T	
WYHNWE	T	C	C	T	
WZTL8B	T	C	C	T	
XKRF7R	T	C	C	T	C
Y8KNK7	T	C	C	T	
YEHGAR	T	C	C	T	
YN9X89	T	C	C	T	
ZQJWGA	T	C	C	T	

TABLE 5a - ITEM 4

Polymorphisms from Reference Sequence

	16223.0	16298.0	16325.0	16327.0	16519.0
ITEM 4					
B3TF4U	T	C	C	T	C
XKRF7R	T	C	C	T	C
YEHGAR	T	C	C	T	

Mitochondrial DNA - HVRI Results

TABLE 5b

Bases Sequenced: HVR I

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
2CLLZN	16024-16391	16024-16391	16024-16391	
2ZCYZ4	16024-16565	16024-16565	16024-16565	
3GUJQ9	15998-16377	15998-16390	16001-16390	INC
4ELQCZ	16001-16569	16001-16569	16001-16390	
7UU9EJ	16024-16569	16024-16569	16024-16387	Inconclusive
8Q4KE4	16015-16390	16015-16390	15998-16390	INC
9DD8FY	15998-16377	15998-16390	16001-16390	Inconclusive
9WQM2Z	16024-16365	16024-16365	16024-16365	Mixture - Not tested for mtDNA
AJFEU2	15998-16390	16001-16390	16001-16390	INC
B3TF4U	16024-16569	16024-16569	16024-16569	16024-16569
B6W9XT	16001-16569	16001-16569	16001-16930	
DX6M6W	16019-16374	16019-16374	16019-16374	
EPCU9Q	16024-16569	16024-16569	16024-16391	Inconclusive
EW9V4B	16024-16391	16024-16391	16024-16391	Inconclusive
FYVM2Y	16050-16400	16050-16400	16050-16400	
HEVERT	15998-16390	15998-16390	15998-16390	INC
JAJTJL	16024-16391	16024-16391	16024-16391	Inconclusive
JY37AK	16000-16390	16000-16390	16000-16390	
KZ9QXL	16024-16391	16024-16391	16024-16391	Inconclusive
LLLXMJ	15998-16400	15998-16400		
M8Z6BH	15998-16400	15998-16400		
MHLAHG	16021-16400	16021-16400	16021-16400	16021-16400
MW428N	15998-16377	15998-16390	16001-16390	Inconclusive
P28KHL	15999-16387	16014-16387	15998-16390	INC
QWVYAF	16024-16569	16024-16569	16024-16569	Inconclusive
RGECL3	1-576	1-576		
UXBMXB	15998-16400	15998-16400		
WBNLYU	16024-16569	16024-16569	16024-16391	Inconclusive
WE9NME	15998-16390	15998-16390	16001-16377	INC

TABLE 5b

Bases Sequenced: HVR I

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
WVETDC	15998-16377	15998-16390	16001-16390	INC
WYHNWE	15998-16390	15998-16390	16001-16377	INC
WZTL8B	16024-16365	16024-16365	16024-16365	mixture not tested
XKRF7R	16024-16569	16024-16569	16024-16569	16024-16569
Y8KNK7	16024-16569	16024-16569	16024-16391	Inconclusive
YEHGAR	16045-16383	16045-16383	16045-16383	16030-16383
YN9X89	15998-16377	15999-16390	16001-16390	INC
ZQJWGA	16024-16385	16024-16371	16024-16379	

Mitochondrial DNA - HVRII Results

TABLE 6a - ITEM 1

Polymorphisms from Reference Sequence

	73.0	248.0	249.0	286.0	287.0	290.0	291.0	315.1	489.0	493.0	523.0	524.0
ITEM 1												
2CLLZN	G		A DEL			A DEL	A DEL	C INS				
2ZCYZ4	G		DEL			DEL	DEL	C	C	G	DEL	DEL
3GUJQ9	G		-			-	-	C				
4ELQCZ	G		D			D	D	C	C	G	D	D
7UU9EJ	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
8Q4KE4	G		-			-	-	C				
9DD8FY	G		-			-	-	C				
9WQM2Z	G		-			-	-	C				
AJFEU2	G		-			-	-	C				
B3TF4U	G		A Del			A Del	A Del	C Ins	C	G	A Del	C Del
B6W9XT	G		D			D	D	C	C	G	D	D
DX6M6W	G		DEL			DEL	DEL	C				
EPCU9Q	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
EW9V4B	G		A DEL			A DEL	A DEL	C INS				
FYVM2Y	G	del		del	del			C				
HEVERT	G		-			-	-	C				
JAJTJL	G		A DEL			A DEL	A DEL	C INS				
JY37AK	G		DEL			DEL	DEL	C				
KZ9QXL	G		A Del			A Del	A Del	C Ins				
LLXMJ	G		delA			delA	delA	C				
M8Z6BH	G		delA			delA	delA	C				
MHLAHG	G		del			del	del	C				
MW428N	G		-			-	-	C				
P28KHL	G		-			-	-	C				
QWVYAF	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
RGECL3	G		DEL			DEL	DEL	C	C	G	DEL	DEL
UXBMXB	G		delA			delA	delA	C				
WBNLYU	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
WE9NME	G		-			-	-	C				
WVETDC	G		-			-	-	C				
WYHNWE	G		:			:	:	C				
WZTL8B	G		-			-	-	C				
XKRF7R	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
Y8KNK7	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
YEHGAR	G		-			-	-	C				
YN9X89	G		-			-	-	C				
ZQJWGA	G		DEL			DEL	DEL	C				

TABLE 6a - ITEM 2

Polymorphisms from Reference Sequence

	73.0	152.0	182.0	185.0	195.0	228.0	247.0	263.0	309.0	315.1	357.0	523.0	524.0
ITEM 2													
2CLLZN	G	C	T	T	C	A	A	G		C INS	G		
2ZCYZ4	G	C	T	T	C	A	A	G		C	G	DEL	DEL
3GUJQ9	G	C	T	T	C	A	A	G		C	G		
4ELQCZ	G	C	T	T	C	A	A	G		C	G	D	D
7UU9EJ	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
8Q4KE4	G	C	T	T	C	A	A	G		C	G		
9DD8FY	G	C	T	T	C	A	A	G		C	G		
9WQM2Z	G	C	T	T	C	A	A			C			
AJFEU2	G	C	T	T	C	A	A	G		C	G		
B3TF4U	G	C	T	T	C	A	A	G		C Ins	G	A Del	C Del
B6W9XT	G	C	T	T	C	A	A	G		C	G	D	D
DX6M6W	G	C	T	T	C	A	A	G		C	G		
EPCU9Q	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
EW9V4B	G	C	T	T	C	A	A	G		C INS	G		
FYVM2Y	G	C	T	T	C	A	A	G		C	G		
HEVERT	G	C	T	T	C	A	A	G		C	G		
JAJTJL	G	C	T	T	C	A	A	G		C INS	G		
JY37AK	G	C	T	T	C	A	A	G		C	G		
KZ9QXL	G	C	T	T	C	A	A	G		C Ins	G		
LLXMJ	G	C	T	T	C	A	A	G		C	G		
M8Z6BH	G	C	T	T	C	A	A	G		C	G		
MHLAHG	G	C	T	T	C	A	A	G		C	G		
MW428N	G	C	T	T	C	A	A	G		C	G		
P28KHL	G	C	T	T	C	A	A	G		C	G		
QWVYAF	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
RGECL3	G	C	T	T	C	A	A	G		C	G	DEL	DEL
UXBMXB	G	C	T	T	C	A	A	G		C	G		
WBPLYU	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
WE9NME	G	C	T	T	C	A	A	G		C	G		
WVETDC	G	C	T	T	C	A	A	G		C	G		
WYHNWE	G	C	T	T	C	A	A	G		C	G		
WZTL8B	G	C	T	T	C	A	A		C	C			
XKRF7R	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
Y8KNK7	G	C	T	T	C	A	A	G		C INS	G	A DEL	C DEL
YEHGAR	G	C	T	T	C	A	A	G		C	G		
YN9X89	G	C	T	T	C	A	A	G		C	G		
ZQJWGA	G	C	T	T	C	A	A	G		C			

TABLE 6a - ITEM 3

Polymorphisms from Reference Sequence

	73.0	248.0	249.0	286.0	287.0	290.0	291.0	315.1	489.0	493.0	523.0	524.0
ITEM 3												
2CLLZN	G		A DEL			A DEL	A DEL	C INS				
2ZCYZ4	G		DEL			DEL	DEL	C	C	G	DEL	DEL
3GUJQ9	G		-			-	-	C				
4ELQCZ	G		D			D	D	C				
7UU9EJ	G		A DEL			A DEL	A DEL	C INS				
8Q4KE4	G		-			-	-	C				
9DD8FY	G		-			-	-	C				
9WQM2Z	G		-			-	-	C				
AJFEU2	G		-			-	-	C				
B3TF4U	G		A Del			A Del	A Del	C Ins	C	G	A Del	C Del
B6W9XT	G		D			D	D	C				
DX6M6W	G		DEL			DEL	DEL	C				
EPCU9Q	G		A DEL			A DEL	A DEL	C INS				
EW9V4B	G		A DEL			A DEL	A DEL	C INS				
FYVM2Y	G	del		del	del			C				
HEVERT	G		-			-	-	C				
JAJTJL	G		A DEL			A DEL	A DEL	C INS				
JY37AK	G		DEL			DEL	DEL	C				
KZ9QXL	G		A Del			A Del	A Del	C Ins				
MHLAHG	G		del			del	del	C				
MW428N	G		-			-	-	C				
P28KHL	G		-			-	-	C				
QWVYAF	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
WBNLYU	G		A DEL			A DEL	A DEL	C INS				
WE9NME	G		-			-	-	C				
WVETDC	G		-			-	-	C				
WYHNWE	G		-			-	-	C				
WZTL8B	G		-			-	-	C				
XKRF7R	G		A DEL			A DEL	A DEL	C INS	C	G	A DEL	C DEL
Y8KNK7	G		A DEL			A DEL	A DEL	C INS				
YEHGAR	G		-			-	-	C				
YN9X89	G		-			-	-	C				
ZQJWGA	G		DEL			DEL	DEL	C				

TABLE 6a - ITEM 4

Polymorphisms from Reference Sequence

	73.0	249.0	290.0	291.0	315.1	489.0	493.0	523.0	524.0
ITEM 4									
B3TF4U	G	A Del	A Del	A Del	C Ins	C	G	A Del	C Del
XKRF7R	G	A DEL	A DEL	A DEL	C INS	C	G	A DEL	C DEL
YEHGAR	G	-	-	-	C				

Mitochondrial DNA - HVRII Results

TABLE 6b

Bases Sequenced: HVR II

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
2CLLZN	35-464	35-464	35-464	
2ZCYZ4	1-576	1-576	1-576	
3GUJQ9	49-403	49-393	50-407	INC
4ELQCZ	1-540	1-540	35-369	
7UU9EJ	1-576	1-576	35-369	Inconclusive
8Q4KE4	64-403	64-407	49-407	INC
9DD8FY	49-403	49-393	50-407	Inconclusive
9WQM2Z	73-340	73-248; 299-340*	73-340	Mixture - Not tested for mtDNA
AJFEU2	49-407	49-407	49-407	INC
B3TF4U	1-576	1-576	1-576	1-576
B6W9XT	1-541	1-541	35-369	
DX6M6W	61-385	61-385	61-385	
EPCU9Q	1-576	1-576	35-369	Inconclusive
EW9V4B	35-369	35-369	35-369	Inconclusive
FYVM2Y	50-400	60-400	50-400	
HEVERT	49-407	49-407	49-407	INC
JAJTJL	35-369	35-369	35-369	Inconclusive
JY37AK	45-390	45-390	45-390	
KZ9QXL	35-369	35-369	35-369	Inconclusive
LLLXMJ	30-407	30-407		
M8Z6BH	30-407	30-407		
MHLAHG	66-390	66-390	66-390	66-390
MW428N	49-403	49-393	50-407	Inconclusive
P28KHL	50-403	50-407	50-407	INC
QWVYAF	1-568	1-576	1-576	Inconclusive
RGECL3	16024-16569	16024-16569		
UXBMXB	30-407	30-407		
WBNLYU	1-576	1-576	35-369	Inconclusive

TABLE 6b

Bases Sequenced: HVR II

WEBCODE	ITEM 1	ITEM 2	ITEM 3	ITEM 4
WE9NME	50-407	50-404	51-393	INC
WVETDC	49-407	64-407	49-403	INC
WYHNWE	50-407	50-404	51-393	INC
WZTL8B	73-340	73-248, 299-340	73-340	mixture not tested
XKRF7R	1-576	1-576	1-576	1-576
Y8KNK7	1-576	1-576	35-464	Inconclusive
YEHGAR	63-380	63-380	63-380	63-380
YN9X89	49-403	49-393	50-407	INC
ZQJWGA	55-381	66-356	58-378	

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
237Q33	Yes	Yes	No	No	2M9J42	Yes	Yes	No	No
23Q8H6	Yes	Yes	No	No	2N438M	Yes	Yes	No	No
24D83T	Yes	Yes	No	No	2NL8BU	Yes	Yes	No	No
24FKZM	Yes	Yes	No	No	2NX763	No Interp	No Interp	No Interp	No Interp
26U329	Yes	Yes	No	No	2PE4UL	Yes	Yes	No	No
272FCU	Yes	Yes	No	No	2PE96N	Yes	Yes	No	No
27HMJX	Yes	Yes	No	No	2PYPKR	Yes	Yes	No	No
27M3YJ	Yes	Yes	No	No	2QUDWV	Yes	Yes	No	No
29V7VF	Yes	Yes	No	No	2VJZF8	Yes	Yes	No	No
2BECZ6	No Interp	No Interp	No Interp	No	2WUWW6	Yes	Yes	No	No
2CLLZN	Yes	Inc	No	Inc	2XWDK4	Yes	Yes	No	No
2DKM6K	Yes	Yes	No	No	2YGPGM	Yes	Yes	No	No
2EWJD7	Yes	Yes	No	No	2ZCYZ4	Yes	Yes	No	No
2FNGR4	Yes	Yes	No	No	2ZZDCN	Yes	Yes	No	No
2FTX4A	Yes	Yes	No	No	33ZW2	Yes	Yes	No	No
2GZAM7	Yes	Yes	No	No	34DERR	Yes	Yes	No	No
2HWUA7	Yes	Yes	No	No	38A49Y	Yes	Yes	No	No
2JCXEJ	Yes	Yes	No	No	38DQNR	Yes	Yes	No	No
2LJDNB	Yes	Yes	No	No	3AWPY2	Yes	Yes	No	No
2LUDB4	Yes	Yes	No	No	3CRAY8	Yes	Yes	No	No
2M72XP	No Interp	No Interp	No	No	3DZKH6	Yes	Yes	No	No

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
3EETZ6	Yes	Yes	No	No	47WTVT	Yes	Yes	No	No
3EWNKR	Yes	Yes	No	No	4BN6N4	Yes	Yes	No	No
3FM98B	Yes	Yes	No	No	4CHYF7	Yes	Yes	No	No
3GUJQ9	Yes	Yes	No	No	4D3BL7	Yes	Yes	No	No
3HV6XL	Yes	Yes	No	No	4DCCD7	Yes	Yes	No	No
3KHXG4	Yes	Yes	No	No	4DCGN9	Yes	Yes	No	No
3LQ7N3	Yes	Yes	No	No	4E7AG8	Yes	Yes	No	No
3PPCAZ	Yes	Yes	No	No	4ELQCZ	Yes	No Interp	No	No Interp
3Q8BKC	Yes	Yes	No	No	4EMJA8	Yes	Yes	No	No
3Q9CFB	Yes	Yes	No	No	4EQ7PZ	Yes	Yes	No	No
3QKZL4	Yes	Yes	No	No	4EQYPU	Yes	Yes	No	No
3TDN97	Yes	Yes	No	No	4EUCJG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3TGKLA	Yes	Yes	No	No	4FY6XN	Yes	Yes	No	No
3U4ZWH	Yes	Yes	No	No	4GUU9W	Yes	Yes	No	No
3VGN3B	Yes	Yes	No	No	4GYZ3D	Yes	Yes	No	No
3VVM8	Yes	Yes	No	No	4H6UBH	Yes	Yes	No	No
3X8LXW	Yes	Yes	No	No	4J3ZUX	Yes	Yes	No	No
3XQHE3	Yes	Yes	No	No	4KCZLX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
43WQX4	Yes	Yes	No	No	4MZCK4	Yes	Yes	No	No
43XE93	No Interp	No Interp	No Interp	No Interp	4PQHE2	Yes	Yes	No	No
4697R6	Yes	Yes	No	No	4TEUD7	Yes	Yes	No	No
46FLL6	Yes	Yes	No	No	4UJTYT	Yes	Yes	No	No
47ET24	Yes	Yes	No	No	4UZRBB	Yes	Yes	No	No

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
4VBRDX	Yes	Yes	No	No	76B2XR	Yes	Yes	No	No
4W2ZDZ	Yes	Yes	No	No	78GJVN	Yes	Yes	No	No
4W78PU	Yes	Yes	No	No	79T2BM	Yes	Yes	No	No
4X8WFK	Yes	Yes	No	No	7A7T44	Yes	Yes	No	No
4Z7JLU	Yes	Yes	No	No	7AT6WB	Yes	Yes	No	No
62YKD4	Yes	Yes	No	No	7BTLNK	Yes	Yes	No	No
644D6G	Yes	Yes	No	No	7CDB2Y	Yes	Yes	No	No
69EJA3	Yes	Yes	No	No	7EM7W4	Yes	Yes	No	No
69JQ4J	Yes	Yes	No	No	7GRLGN	Yes	Yes	No	No
6B6LFQ	Yes	Yes	No	No	7HLHR4	Yes	Yes	No	No
6E7KYV	Yes	Yes	No	No	7JEHPE	Yes	Yes	No	No
6ENGE2	Yes	Yes	No	No	7JUFGE	Yes	Yes	No	No
6GFFTZ	Yes	Yes	No	No	7LMFEP	Yes	Yes	No	No
6JFXGU	Yes	Yes	No	No	7N3Y6L	Yes	Yes	No	No
6P8Y89	Yes	Yes	No	No	7P7LY7	No Interp	No Interp	No Interp	No Interp
6QH3CK	Yes	Yes	No	No	7QGHB3	Yes	Yes	No	No
6TJXA2	Yes	Yes	No	No	7RT29E	Yes	Yes	No	No
6V7RQ3	Yes	Yes	No	No	7TLXVM	No Interpretations Reported, DNA Analyzed for Database purposes only.			
6VA4N7	Yes	Yes	No	No	7UP2WN	Yes	Yes	No	No
6VQBXV	Yes	Yes	No	No	7UU9EJ	Yes	Inc	No	Inc
6YNY44	Yes	Yes	No	No	7WWZP7	Yes	Yes	No	No
6YWKD8	Yes	Yes	No	No	7Z2RT6	Yes	Yes	No	No
72F3PN	Yes	Yes	No	No	82B2JG	Yes	Yes	No	No

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
82NPPA	Yes	Yes	No	No	8XDFUY	Yes	Yes	No	No
832C8N	Yes	Yes	No	No	8ZDWGT	Yes	Yes	No	No
87X389	Yes	Yes	No	No	93TV4L	Yes	Yes	No	No
88KCH3	Yes	Yes	No	No	94CNBB	Yes	Yes	No	No
89CDED	Yes	Yes	No	No	996K74	Yes	Yes	No	No
8ALHT2	Yes	Yes	No	No	9988KW	Yes	Yes	No	No
8ANY3U	Yes	Yes	No	No	9AVZ2X	No Interp	No Interp	No Interp	No
8B3EK2	Yes	Yes	No	No	9B9FP8	Yes	Yes	No	No
8CCNBD	Yes	Yes	No	No	9D3AGA	Yes	Yes	No	No
8CW6QF	Yes	Yes	No	No	9DD8FY	Yes	Yes	No	No
8ECQ92	Yes	Yes	No	No	9FQLFF	Yes	Yes	No	No
8EVP6Z	Yes	Yes	No	No	9HU927	Yes	Yes	No	No
8FX7TY	Yes	Yes	No	No	9J9XZ3	Yes	Yes	No	No
8PDEZY	Yes	Yes	No	No	9LFYG3	Yes	Yes	No	No
8PTTAT	Yes	Yes	No	No	9NHWTV	Yes	Yes	No	No
8Q4KE4	Yes	No Interp	No	No	9RJ29W	Yes	Yes	No	No
8QN9LQ	Yes	Yes	No	No	9WQM2Z	Yes	Yes	No	No
8R2LN2	Yes	Yes	No	No	9WTD43	Yes	Yes	No	No
8R79R2	Yes	Yes	No	No	9XM3DW	Yes	Yes	No	No
8TF8ZN	Yes	Yes	No	No	9ZCDFB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
8TY9PC	Yes	Yes	No	No	A2NCC7	Yes	Yes	No	No
8V23P3	Yes	Yes	No	No	A3ET8Y	Yes	Yes	No	Inc
8VMKNH	Yes	Yes	No	No	A4MWQP	Yes	Yes	No	No

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
A6HPDV	Yes	Yes	No	No	B3TF4U	Yes	Yes	No	No
A7EV6N	Yes	Yes	No	No	B42MBU	Yes	Yes	No	No
A8QLGD	Yes	Yes	No	No	B6KFGX	Yes	Yes	No	No
AB78XY	Yes	Yes	No	No	B6W9XT	Yes	No Interp	No	No Interp
ABL92Z	Yes	Yes	No	No	B6XZW2	Yes	Yes	No	No
AC2RLX	Yes	Yes	No	No	B79XAH	Yes	Yes	No	No
AECFDB	Yes	Yes	No	No	B8LKXY	Yes	Yes	No	No
AF6CZJ	No Interpretations Reported, DNA Analyzed for Database purposes only.				B9ZRDE	Yes	Yes	No	No
AGR6KZ	Yes	Yes	No	No	BA7DRD	Yes	Yes	No	No
AGX8GZ	Yes	Yes	No	No	BE7JNW	Yes	Yes	No	No
AHKZ2H	Yes	Yes	No	No	BFZAUC	Yes	Yes	No	No
AHP7VY	Yes	Yes	No	No	BJ34U2	Yes	Yes	No	No
AJFEU2	Yes	No Interp	No	No	BK8RY7	Yes	Yes	No	No
AJZ9GX	Yes	Yes	No	No	BK9P6V	Yes	Yes	No	No
AKCYFF	Yes	Yes	No	No	BKMBH4	Yes	Yes	No	No
AKVQKK	Yes	Yes	No	No	BLALTX	Yes	Yes	No	No
AL2H6K	Yes	Yes	No	No	BQ2TB7	Yes	Yes	No	No
AR2BUB	Yes	Yes	No	No	BTKYGV	No Interp	No Interp	No Interp	No
ARC6JJ	Yes	Yes	No	No	C34R8H	Yes	Yes	No	No
AUHUK7	Yes	Yes	No	No	C4NGLW	Yes	Yes	No	No
AVCKQL	Yes	Yes	No	No	C98TDD	Yes	Yes	No	No
AWCGC3	Yes	Yes	No	No	CB3963	Yes	Yes	No	No
B3ANWV	Yes	Yes	No	No	CBFVCV	Yes	Yes	No	No

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
CCBCNR	Yes	Yes	No	No	DJ62H2	Yes	Yes	No	No
CDM7BK	Yes	Yes	No	No	DPVAAM	Yes	Yes	No	No
CEECHX	Yes	Yes	No	No	DQ7BVL	Yes	Yes	No	No
CK7EQ4	Yes	Yes	No	No	DWBWZH	Yes	Yes	No	No
CMVRLT	Yes	Yes	No	No	DX6M6W	Yes	Yes	No	No
CPYAWH	Yes	Yes	No	No	DXCV7X	Yes	Yes	No	No
CRB4HA	Yes	Yes	No	No	E722JV	Yes	Yes	No	No
CT3DEW	Yes	Yes	No	No	EAKX6Z	Yes	Yes	No	No
CTWZW2	Yes	Yes	No	No	EBPHY3	Yes	Yes	No	No
CUU26E	No Interp	No Interp	No Interp	No Interp	ECJ96G	Yes	Yes	No	No
CWEE7U	Yes	Yes	No	No	ECRF4W	Yes	Yes	No	No
CZ68TX	Yes	Yes	No	No	EDJG28	Yes	Yes	No	No
CZHT92	Yes	Yes	No	No	EF4BVM	Yes	Yes	No	No
D6C6PJ	Yes	Yes	No	No	EM6D9Z	Yes	Yes	No	No
D7HMNE	No Interp	No Interp	No	No	EPCU9Q	Yes	Inc	No	Inc
D9AUMH	Yes	Yes	No	No	EPZY2Q	Yes	Yes	No	No
DAMDWF	No Interpretations Reported, DNA Analyzed for Database purposes only.				EQUP86	Yes	Yes	No	No
DD4T9T	Yes	Yes	No	No	ER29PE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DDLNRF	No Interpretations Reported, DNA Analyzed for Database purposes only.				ETA9X2	Yes	Yes	No	No
DFPD6W	Yes	Yes	No	No	EW9V4B	Yes	Inc	No	Inc
DGJ66A	Yes	Yes	No	No	EWBFDX	Yes	Yes	No	No
DHC73K	Yes	Yes	No	No	EWV3MF	Yes	Yes	No	No
DHHBNN	Yes	Yes	No	No	EX8K3E	Yes	Yes	No	No

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
EXRC7W	Yes	Yes	No	No	FT8QNA	Yes	Yes	No	No
EZARWQ	No Interp	No Interp	No	No	FVCNQP	Yes	Yes	No	No
F2JZXN	Yes	Yes	No	No	FVX8J4	Yes	Yes	No	No
F3UYXY	Yes	Yes	No	No	FYVM2Y	Yes	Yes	No	No
F6A36X	Yes	Yes	No	No	FYY3GK	Yes	Yes	No	No
F7CAYA	Yes	Yes	No	No	G3RQ7Q	Yes	Yes	No	No
F9346Q	Yes	Yes	No	No	G3VX3T	Yes	Yes	No	No
F9E2ZU	Yes	Yes	No	No	G4JHKH	Yes	Yes	No	No
F9K98W	Yes	Yes	No	No	G4NXZ4	Yes	Yes	No	No
F9L4WU	Yes	Yes	No	No	G6ZPRK	Yes	Yes	No	No
F9ZMGR	Yes	Yes	No	No	G7NFMX	Yes	Yes	No	No
FA9WGC	Yes	Yes	No	No	G7V9W8	Yes	Yes	No	No
FAD7QP	Yes	Yes	No	No	GA8EZT	Yes	Yes	No	No
FB8WW4	Yes	Yes	No	No	GAMF2A	Yes	Yes	No	No
FCYWA	Yes	Yes	No	No	GBP6KX	No Interp	No Interp	No	No
FEUHM7	Yes	Yes	No	No	GC26HT	Yes	Yes	No	No
FF3V68	Yes	Yes	No	No	GE29XU	Yes	Yes	No	No
FGDFAB	No Interp	No Interp	No	No	GFGGEA	Yes	Yes	No	No
FHNQGE	Yes	Yes	No	No	GGGC7R	No Interp	No Interp	No Interp	No Interp
FKA9YY	Yes	Yes	No	No	GKAE6L	Yes	Yes	No	No
FKWP39	Yes	Yes	No	No	GMEB7F	Yes	Yes	No	No
FPRERT	Yes	Yes	No	No	GMX4XD	Yes	Yes	No	No
FRFQQY	Yes	Yes	No	No	GMZKLC	No Interpretations Reported, DNA Analyzed for Database purposes only.			

TABLE 7

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GPBKNX	Yes	Yes	No	No	HT2KTJ	Yes	Yes	No	No
GQEL2F	Yes	Yes	No	No	HTJFNR	Yes	Yes	No	No
GTAVKX	Yes	Yes	No	No	HUC3EA	Yes	Yes	No	No
GTMN2T	Yes	Yes	No	No	HW4CAW	No Interp	No Interp	No Interp	No
GUDMFR	Yes	Yes	No	No	HWKFVB	Yes	Yes	No	No
GWLZXT	Yes	Yes	No	No	HY66FN	Yes	Yes	No	No
GXWVPC	Yes	Yes	No	No	J27R9J	Yes	Yes	No	No
H34MCV	Yes	Yes	No	No	J339KF	Yes	Yes	No	No
H386FL	No Interp	No Interp	No Interp	No Interp	J3ELQG	Yes	Yes	No	No
H4FHXM	Yes	Yes	No	No	J3WZ8M	Yes	Yes	No	No
HAT62R	Yes	Yes	No	No	J4FN3N	Yes	Yes	No	No
HBD8ER	Yes	Yes	No	No	J69QJC	Yes	Yes	No	No
HBW6F7	Yes	Yes	No	No	J6NYLK	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HEVERT	Yes	No Interp	No	No	J7N3AU	Yes	Yes	No	No
HFYZKR	Yes	Yes	No	No	J9CJJ3	Yes	Yes	No	No
HHF2TT	Yes	Yes	No	No	J9PVFL	Yes	Yes	No	No
HJTXWC	Yes	Yes	No	No	JA4F7B	Yes	Yes	No	No
HJVCU7	Yes	Yes	No	No	JAJTJL	Yes	Inc	No	Inc
HKPBUQ	Yes	Yes	No	No	JAME6U	Yes	Yes	No	No
HNQA3A	Yes	Yes	No	No	JBEE36	Yes	Yes	No	No
HPHFAN	Yes	Yes	No	No	JBVF68	Yes	Yes	No	No
HQFPER	Yes	Yes	No	No	JBZQAQ	Yes	Yes	No	No
HQHEMU	Yes	Yes	No	No	JC83TM	Yes	Yes	No	No

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
JDH4EL	Yes	Yes	No	No	KBQMHJ	Yes	Yes	No	No
JDNCRF	Yes	Yes	No	No	KGGTHE	Yes	Yes	No	No
JEELN3	Yes	Yes	No	No	KJTGAR	Yes	Yes	No	No
JFNKWQ	Yes	Yes	No	No	KKWGN6	Yes	Yes	No	No
JGHFBL	Yes	Yes	No	No	KMNG28	No Interpretations Reported, DNA Analyzed for Database purposes only.			
JGJ4ZC	Yes	Yes	No	No	KRWR4A	Yes	Yes	No	No
JHU86N	Yes	Yes	No	No	KRY624	Yes	Yes	No	No
JJ7RAR	Yes	Yes	No	No	KTFFZW	Yes	Yes	No	No
JJM4RW	Yes	Yes	No	No	KUL2DB	Yes	Yes	No	No
JMPWRM	No Interp	No Interp	No Interp	No Interp	KV6LGM	Yes	Yes	No	No
JN3E2K	Yes	Yes	No	No	KVYL7L	Yes	Yes	No	No
JNRDFL	Yes	Yes	No	No	KWAMRK	Yes	Yes	No	No
JPXUFC	Yes	Yes	No	No	KX67V8	Yes	Yes	No	No
JR688C	Yes	Yes	No	No	KYGRJM	Yes	Yes	No	No
JVNG2A	Yes	Yes	No	No	KYHQNG	Yes	Yes	No	No
JXB238	Yes	Yes	No	No	KYL9VT	Yes	Yes	No	No
JY37AK	Yes	Yes	No	No	KYXYQP	Yes	Yes	No	No
JYLXD4	Yes	Yes	No	No	KZ9QXL	Yes	Inc	No	Inc
JZYD2D	Yes	Yes	No	No	KZCJJZ	Yes	Yes	No	No
K4V8ML	Yes	Yes	No	No	L2JW22	Yes	Yes	No	No
K63VCB	Yes	Yes	No	No	L3H2KG	Yes	Yes	No	No
K689Z8	Yes	Yes	No	No	L4VTCX	Yes	Yes	No	No
K8B2ZX	Yes	Yes	No	No	L86399	Yes	Yes	No	No

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
L8B7BZ	Yes	Yes	No	No	ME436F	Yes	Yes	No	No
LA8ZGF	No Interpretations Reported, DNA Analyzed for Database purposes only.				ME8KA7	Yes	Yes	No	No
LERWGR	Yes	Yes	No	No	MFUDUN	Yes	No Interp	No	No
LF6B62	Yes	Yes	No	No	MGDXYK	Yes	Yes	No	No
LFJXE3	Yes	Yes	No	No	MGQGVV	Yes	Yes	No	No
LFY93A	Yes	Yes	No	No	MHLAHG	Yes	Yes	No	No
LGH3WH	Yes	Yes	No	No	MJ2AYQ	Yes	Yes	No	No
LHR6K3	Yes	Yes	No	No	MKCKP	Yes	Yes	No	No
LLXMJ	No Interp	No Interp	No Interp	No Interp	MKQWX8	Yes	Yes	No	No
LNXX9	Yes	Yes	No	No	MKUBV2	Yes	Yes	No	No
LP67W6	Yes	Yes	No	No	MLG4FH	Yes	Yes	No	No
LQ3873	Yes	Yes	No	No	MM2GJN	Yes	Yes	No	No
LQLD7T	Yes	Yes	No	No	MME6QG	No Interp	No Interp	No Interp	No Interp
LZ7FG9	Yes	Yes	No	No	MME92J	Yes	Yes	No	No
M3DYCN	Yes	Yes	No	No	MMHMV8	Yes	Yes	No	No
M46ZAY	Yes	Yes	No	No	MNCMGP	Yes	Yes	No	No
M6WEFN	Yes	Yes	No	No	MP6EFN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
M7BHAF	Yes	Yes	No	No	MPLJXM	Yes	Yes	No	No
M86DNC	Yes	Yes	No	No	MQ2RFN	Yes	Yes	No	No
M8Z6BH	No Interp	No Interp	No Interp	No Interp	MQ2UWF	Yes	Yes	No	No
MAX634	Yes	Yes	No	No	MQFG2M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
MB24UM	Yes	Yes	No	No	MQWB4H	Yes	Yes	No	No
MC4KHL	Yes	Yes	No	No	MT4QBN	Yes	Yes	No	No

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
MTKZ4P	Yes	Yes	No	No	NPFPT8	Yes	Yes	No	No
MTLVTM	Yes	Yes	No	No	NQQGXG	Yes	Yes	No	No
MUETWM	No Interpretations Reported, DNA Analyzed for Database purposes only.				NQXJUG	Yes	Yes	No	No
MW37UX	No Interpretations Reported, DNA Analyzed for Database purposes only.				NR3D3L	Yes	Yes	No	No
MW428N	Yes	Yes	No	No	NUUF6U	Yes	Yes	No	No
MWJGGJ	Yes	Yes	No	No	NWYWAQ	Yes	Yes	No	No
MWMV6	Yes	Yes	No	No	NZLHFK	Yes	Yes	No	No
MYPJP9	Yes	Yes	No	No	P28KHL	Yes	No Interp	No	No
MZPMCH	Yes	Yes	No	No	P6RGHX	Yes	Yes	No	No
N393FH	No Interpretations Reported, DNA Analyzed for Database purposes only.				PBDHE3	Yes	Yes	No	No
N3NDYN	Yes	Yes	No	No	PBVEYP	Yes	Yes	No	No
N6DLAK	Yes	Yes	No	No	PDGB7F	Yes	Yes	No	No
N6ENMV	Yes	Yes	No	No	PECUB3	Yes	Yes	No	No
N6U2Z8	Yes	Yes	No	No	PG4YVM	Yes	Yes	No	No
N7NR7L	Yes	No Interp	No	No	PG6M7L	Yes	Yes	No	No
N9AAN7	Yes	Yes	No	No	PGGL3F	Yes	Yes	No	No
N9ZAYR	No Interp	No Interp	No Interp	No	PJCZVZ	Yes	Yes	No	No
NDMAMJ	Yes	Yes	No	No	PK42TB	Yes	Yes	No	No
NE48FH	Yes	Yes	No	No	PLEUWP	No Interp	No Interp	No Interp	No
NEWBQ6	Yes	Yes	No	No	PP37WV	Yes	Yes	No	No
NG6EFL	Yes	Yes	No	No	PQD9JF	Yes	Yes	No	No
NHXAW4	Yes	Yes	No	No	PR3L2X	Yes	Yes	No	No
NNK7PK	Yes	Yes	No	No	PTDFR7	Yes	Yes	No	No

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
PTUQ8Q	Yes	Yes	No	No	QR6LMJ	Yes	Yes	No	No
PUNGD6	Yes	No	No	No	QTFNAH	Yes	Yes	No	No
PUTKFW	Yes	Yes	No	No	QTWLKU	Yes	Yes	No	No
PV227E	Yes	Yes	No	No	QV38BF	Yes	Yes	No	No
PVNDYL	Yes	Yes	No	No	QWVYAF	Yes	Inc	No	Inc
PWEBJL	Yes	Yes	No	No	QXQJAL	Yes	Yes	No	No
PWGEWW	Yes	Yes	No	No	R22XBW	Yes	Yes	No	No
PX92MF	Yes	Yes	No	No	R2G9Y4	Yes	Yes	No	No
PYJ9JF	Yes	Yes	No	No	R2XKC3	Yes	Yes	No	No
PZFN9K	Yes	Yes	No	No	R4CVNE	Yes	Yes	No	No
PZYCQE	Yes	Yes	No	No	R6LWFE	Yes	Yes	No	No
Q3M8QT	Yes	Yes	No	No	R7C3UJ	Yes	Yes	No	No
Q4BT9H	Yes	Yes	No	No	R8M6H4	Yes	Yes	No	No
Q6P2QJ	Yes	Yes	No	No	R8R9KV	Yes	Yes	No	No
Q9AVLX	Yes	Yes	No	No	RACF9W	Yes	Yes	No	No
QAXKC6	Yes	Yes	No	No	RCY4X4	Yes	Yes	No	No
QB8PRE	Yes	Yes	No	No	RDEDWV	Yes	Yes	No	No
QC6UU2	Yes	Yes	No	No	REL88H	Yes	Yes	No	No
QKE8PC	Yes	Yes	No	No	RGECL3	Yes	Yes	No	No
QMHCYR	Yes	Yes	No	No	RJ2VKF	Yes	Yes	No	No
QNFGNK	Yes	Yes	No	No	RJ6LNG	Yes	Yes	No	No
QNWKAY	No Interp	No Interp	No	No	RKGCLZ	Yes	Yes	No	No
QQRUTG	Yes	Yes	No	No	RMD6A4	Yes	Yes	No	No

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
RULBHF	Yes	Yes	No	No	TP4QHK	Yes	Yes	No	No
RVF2NV	Yes	Yes	No	No	TQVM7E	Yes	Yes	No	No
RWN8V4	Yes	Yes	No	No	TQWGMY	Yes	Yes	No	No
RYVM7G	Yes	Yes	No	No	TR7BJY	Yes	Yes	No	No
RZAXDL	Yes	Yes	No	No	TRBRWP	Yes	Yes	No	No
RZMHTP	Yes	Yes	No	No	TRQ3JB	Yes	Yes	No	No
RZNFYE	Yes	Yes	No	No	TRUQUN	Yes	Yes	No	No
T6UJBX	Yes	Yes	No	No	TT32DK	Yes	Yes	No	No
T6YUFH	Yes	Yes	No	No	TU23LX	No Interp	No Interp	No	No
T7BPN3	Yes	Yes	No	No	TUKWBE	Yes	Yes	No	No
T8MFX8	Yes	Yes	No	No	TUWRJY	Yes	Yes	No	No
TABN89	Yes	Yes	No	No	TW6PLG	Yes	Yes	No	No
TAMTCJ	Yes	Yes	No	No	TXD7CY	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TAQBGA	No Interp	No Interp	No Interp	No Interp	TXGJ7M	Yes	Yes	No	No
TB4KUG	Yes	Yes	No	No	TXW4DD	Yes	Yes	No	No
TDTVKA	No Interpretations Reported, DNA Analyzed for Database purposes only.				TXYFPA	Yes	Yes	No	No
TEA2AZ	Yes	Yes	No	No	TY6XBY	Yes	Yes	No	No
TFHDQ2	Yes	Yes	No	No	U3MN3F	Yes	Yes	No	No
TFZEFP	Yes	Yes	No	No	U3P4PD	Yes	Yes	No	No
TGAHYE	Yes	Yes	No	No	U4JUVT	Yes	Yes	No	No
THPQEU	Yes	Yes	No	No	U7PG6Q	Yes	Yes	No	No
TJW3ZC	Yes	Yes	No	No	U9RA7C	Yes	Yes	No	No
TKV9DQ	Yes	Yes	No	No	UAQFRC	Yes	Yes	No	No

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
UEZJQR	Yes	Yes	No	No	VECR4K	Yes	Yes	No	No
UEZTAB	Yes	Yes	No	No	VHZ6YA	Yes	Yes	No	No
UHMBNF	Yes	Yes	No	No	VJ8JCG	Yes	Yes	No	No
UMY4WT	No Interp	No Interp	No Interp	No	VJB7QA	Yes	Yes	No	No
UN39YF	Yes	Yes	No	No	VLDYRZ	Yes	Yes	No	No
UQEPEE	Yes	Yes	No	No	VMACC8	Yes	Yes	No	No
UUEWYC	Yes	Yes	No	No	VMLFGH	Yes	Yes	No	No
UV8V2G	Yes	Yes	No	No	VMQT6E	Yes	Yes	No	No
UVPUDU	Yes	Yes	No	No	VN4BEC	Yes	Yes	No	No
UWMZV9	Yes	Yes	No	No	VQVATB	Yes	Yes	No	No
UXBMXB	No Interp	No Interp	No Interp	No Interp	VR83MD	Yes	Yes	No	No
UXUJBW	Yes	Yes	No	No	VRJNBT	Yes	Yes	No	No
UYN9XX	Yes	Yes	No	No	VRNZYP	Yes	Yes	No	No
UZ3KNF	Yes	Yes	No	No	VU7GVA	Yes	Yes	No	No
V49UVB	Yes	Yes	No	No	VX8KPH	Yes	Yes	No	No
V4D7J8	Yes	Yes	No	No	VYYGDC	Yes	Yes	No	No
V6QNWK	Yes	Yes	No	No	W6EM3U	Yes	Yes	No	No
V7KE3Y	Yes	Yes	No	No	W94T4E	Yes	Yes	No	No
V8VDW9	No Interpretations Reported, DNA Analyzed for Database purposes only.				W97J7G	Yes	Yes	No	No
VAKPWD	Yes	Yes	No	No	WAEYXU	Yes	Yes	No	No
VC6JQT	Yes	Yes	No	No	WBNLYU	Yes	Inc	No	Inc
VCAVPB	Yes	Yes	No	No	WCHHAA	Yes	Yes	No	No
VDNBWX	Yes	Yes	No	No	WCLV3W	Yes	Yes	No	No

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
WD2D4H	Yes	Yes	No	No	X8AKCE	Yes	Yes	No	No
WDWRHA	Yes	Yes	No	No	X9GRLU	Yes	Yes	No	No
WE9NME	Yes	No Interp	No	No	XA9WU8	Yes	Yes	No	No
WGDGGD	Yes	Yes	No	No	XB64LZ	Yes	Yes	No	No
WJ69TJ	Yes	Yes	No	No	XBAG9W	Yes	Yes	No	No
WJN4QD	Yes	Yes	No	No	XDLACB	Yes	Yes	No	No
WKCN3B	Yes	Yes	No	No	XGWB49	Yes	Yes	No	No
WKYYYY	Yes	Yes	No	No	XKRF7R	Yes	Yes	No	No
WMNG6P	Yes	Yes	No	No	XNPTA4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WNZ3T7	Yes	Yes	No	No	XP739W	Yes	Yes	No	No
WQQA7F	Yes	Yes	No	No	XRGVCC	Yes	Yes	No	No
WT7VLF	Yes	Yes	No	No	XRUE93	Yes	Yes	No	No
WVETDC	Yes	No Interp	No	No	XT69UU	Yes	Yes	No	No
WVXRAA	Yes	Yes	No	No	XVW89T	Yes	Yes	No	No
WWDZQP	Yes	Yes	No	No	XW986M	Yes	Yes	No	No
WWRFWC	Yes	Yes	No	No	XWCKYB	Yes	Yes	No	No
WYHNWE	No Interpretations Reported, DNA Analyzed for Database purposes only.				XXZUV6	Yes	Yes	No	No
WZAMBD	Yes	Yes	No	No	Y3AKKW	Yes	Yes	No	No
WZCFWR	Yes	Yes	No	No	Y3RKP8	Yes	Yes	No	No
WZN7UB	Yes	Yes	No	No	Y6W9UB	Yes	Yes	No	No
WZTL8B	Yes	Yes	No	No	Y8KNK7	Yes	Inc	No	Inc
X3VPPP	Yes	Yes	No	No	YATQG4	Yes	Yes	No	No
X83J4T	Yes	Yes	No	No	YCWQB9	Yes	Yes	No	No

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
YEHGAR	Yes	Yes	No	No	YZL9KQ	Yes	Yes	No	No
YENHPZ	Yes	Yes	No	No	Z2CK7H	Yes	Yes	No	No
YFVXW7	Yes	Yes	No	No	Z2CPGK	Yes	Yes	No	No
YGQGZT	Yes	Yes	No	No	Z4Z2FQ	Yes	Yes	No	No
YJEW8F	Yes	Yes	No	No	Z62W6N	Yes	Yes	No	No
YJCM2	Yes	Yes	No	No	Z78JEL	Yes	Yes	No	No
YJYV8Y	Yes	Yes	No	No	ZAQFZQ	Yes	Yes	No	No
YKCBP7	Yes	Yes	No	No	ZCFP98	No Interp	No Interp	No Interp	No Interp
YKQRU8	No Interp	No Interp	No Interp	No Interp	ZDPK3B	Yes	Yes	No	No
YN9X89	Yes	No Interp	No	No	ZE2P8M	Yes	Yes	No	No
YNCKM7	Yes	Yes	No	No	ZEXWL9	Yes	Yes	No	No
YPLQ2B	Yes	Yes	No	No	ZEYUQ3	Yes	Yes	No	No
YQDVAP	Yes	Yes	No	No	ZFHLZM	Yes	Yes	No	No
YQZYJC	Yes	Yes	No	No	ZGLJ33	Yes	Yes	No	No
YR96T7	Yes	Yes	No	No	ZHCQ26	Yes	Yes	No	No
YRRYGM	Yes	Yes	No	No	ZHHYEY	Yes	Yes	No	No
YT4U3F	Yes	Yes	No	No	ZMA7X8	Yes	Yes	No	No
YV8FN7	Yes	Yes	No	No	ZQJWGA	Yes	No Interp	No	No Interp
YVPPN	No Interp	No Interp	No Interp	No	ZQRDBA	Yes	Yes	No	No
YXBB8A	Yes	Yes	No	No	ZR3C84	Yes	Yes	No	No
YXLRVC	Yes	Yes	No	No	ZR466C	Yes	Yes	No	No
YXUZP4	Yes	Yes	No	No	ZR8RK4	Yes	Yes	No	No
YYU9LU	Yes	Yes	No	No	ZRCXEL	Yes	Yes	No	No

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
ZUBHT6	Yes	Yes	No	No					
ZUC76N	Yes	Yes	No	No					
ZUVY98	Yes	Yes	No	No					
ZZKPJA	Yes	Yes	No	No					

DNA Interpretation					
Response Summary			Participants reporting DNA results: 736		
<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	685	663	0	0
	No	0	1	692	687
	Inc	0	9	0	10
	No Interpretation	29	41	22	17
	No Response	0	0	0	0

Participants analyzing DNA for database purposes only: 22

Additional Comments

TABLE 8

Cert WebCode	Additional Comments
237Q33	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.
24D83T	DYS391 is reported as INC for all samples tested using PowerPlex® fusion kit per laboratory policy.
26U329	NR= No results. DNA analyst only performed KM screening test. DNA analyst interpreted male screening results to determine testing needed.
272FCU	In the Y profile of #4 both F1 and F2 show a second peak in DYS518. The peak in the "plus stutter" position is approximately 10% of the parent peak. This is above our stutter guidelines. For statistical purposes this locus would be inconclusive and not used.
27M3YJ	The non-sperm and sperm fractions of item 4 are a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA.
29V7VF	Item 2 Y profiling indicated imbalance at DYS385, rather than the possibility of another peak at this locus. I have therefore recorded as 11,14 in this test, rather than 11,14,0. Replication of imbalance at the level of peaks observed for this sample is not standard practise for reference samples in our laboratory.
2BECZ6	Lab work for Y-STR analysis completed by another analyst. Performed only interpretation on Y-STR samples.
2CLLZN	Item 4 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
2DKM6K	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
2JCXEJ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
2LJDNB	NR denotes no results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
2LUDB4	* = locus contains allele(s) below stochastic threshold
2N438M	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
2NL8BU	DYS391 is reported as INC for all samples tested per lab 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.
2NX763	This PT is being submitted on behalf of technician [Name].

TABLE 8

Cert WebCode	Additional Comments
2PE4UL	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
2PE96N	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported. In addition, the data associated with vWA locus in Item 4-SF was reported, despite the locus being omitted from the STRmix interpretation.
2VJZF8	NR = No Result. Concordance achieved between the GlobalFiler and YFiler Plus kit results at DYS391. The DNA Analyst performed only KM testing from the screening portion on page 2 [Table 1]. A qualified Forensic Biologist performed all other testing. The DNA Analyst reviewed the Y-screening (male screen) results from the screening portion on page 2 [Table 1].
2WUWW6	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Interpretation was based on autosomal STRs only; interpretation on the Y-STRs was not performed by this analyst.
2YGPGM	NR = no result
2ZZDCN	Removed stutter/n+4 artifacts for CTS entry.
34DERR	Foreign information in epi fraction consistent with sperm fraction
38A49Y	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
38DQNR	Carryover from sperm fraction observed in the epi
3CRAY8	The male profile from item #4 is consistent with this lab's current internal semen control sample. Troubleshooting was performed in order to rule out contamination as a cause for the match.
3FM98B	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
3GUJQ9	A team approach was utilized for the biological screening portion. INC = inconclusive. Per [Laboratory] guidelines, mtDNA mixtures are inconclusive but can be used for exclusionary purposes.
3HV6XL	An additional cutting as taken from item 4 (sub-item 4A-4PT). DNA results were concordant with those of the representative item 4 sample reported in this data sheet.
3KHG4	{ } = imbalanced alleles
3LQ7N3	Saliva testing on Item 3 was inconclusive due to the red-pink color interfering with the visualization

TABLE 8

Cert WebCode	Additional Comments
3PPCAZ	Item 4 was extracted by a differential extraction method. Full profiles were obtained for the epithelial and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. All allele calls from the female donor were observed in the profile; however, all of the alleles from the male donor were also observed due to the incomplete separation. This is a normal observation routinely seen in casework.
3Q9CFB	NR=No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
3QKZL4	Reporting results with stutter filters on.
3TDN97	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Analytical lab work was performed by another analyst. Interpretation performed by this analyst.
3U4ZWH	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
3VVM8	The results of DNA analysis, we found that the profile of Item 2 is not matching with the male profile of Item 4. In Item 4, the DNA profile of other unknown male suspect is detected.
43AE6X	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit.
43WQX4	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.
43XE93	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
4697R6	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.
47ET24	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
4936Z9	Y-screening conducted only. DNA analysis was not performed. Male DNA was not detected on Item 3. Male DNA was detected on item 4.
4CHYF7	ND = not detected
4DCCD7	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
4ELQCZ	Items 3 and 4 were not processed for STR analysis. Items 1 and 2 were processed for STR database purposes only. Items 1 through 4 were processed for mtDNA analysis. A serological evaluation was not performed on Items 3 and 4 as it is not necessary to determine the method of processing for mtDNA analysis. A mixed mtDNA profile was obtained from Item 4 and the data is not reported because we do not have a validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 4 is not reported, no interpretation can be made between Items 1 & 4 and Items 2 and 4. A differential extraction, designed to separate sperm heads from epithelial cells, was not performed since it cannot separate mtDNA from multiple contributors.
4EQ7PZ	4.1 F1 Y - DYS518 extra 38 allele in +ST position, PHR ~11%, too high for +ST call. Locus not used for comparison, possible bi-allele/chromosomal duplication? Also present in 4.1 F2 Y but PHR only 6.3%, within agency policy guidelines for calling elevated +ST at that locus. 4.1 F1 Y - Imbalance at DYF387S1, locus not used for comparisons.
4GUU9W	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
4H6UBH	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
4MZCK4	NR = No results. [] represents minor alleles
4TEUD7	[] - indicates minor allele(s) and alleles between analytical and stochastic thresholds

TABLE 8

Cert WebCode	Additional Comments
4UJTY	A full profile was obtained from the epithelial cell fraction; however, there was incomplete separation. Some alleles consistent with the sperm fraction donor were detected in the epithelial cell fraction. This is a normal observation routinely seen in casework. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for plus and minus stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
4VBRDX	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
4X8WFK	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
644D6G	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
69EJA3	^ indicates allele below stochastic threshold
69JQ4J	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial cell fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile of the epithelial cell fraction due to the incomplete separation. The evidence profile for the epithelial cell fraction of item 4 was interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
6B6LFQ	As per laboratory protocols, loci <i>DYS391</i> are all deemed INC.
6ENGE2	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
6P8Y89	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
6V7RQ3	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
6YWKD8	Screening tests performed by a qualified Forensic Biologist (Item 3 and 4). KM testing performed by Forensic DNA Analyst (Item 3 and 4). The DNA analyst reviewed and interpreted the male screen results. Item 4 underwent a differential extraction. The victim is a contributor to the epithelial fraction but not the sperm fraction of Item #4. NR=No Result.
7A7T44	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profiles due to the incomplete separation.
7AT6WB	The sperm fraction of item 4 was also processed via minifiler and Identifiler Plus using low copy number conditions. Concordant profiles were obtained from these analyses.
7BTLNK	Possible duplication at DYS518 observed in 4e and 4s.
7CDB2Y	Only autosomal DNA was used for interpretation. Screening was performed by another analyst. Item 3 was amplified with the PowerPlex Y23 kit because there was a male quant value (1.04×10^{-4} detected with the Plexor HY quantification kit, inconclusive for the presence of male DNA) and the proficiency chapter of my lab's sop states to amplify any "evidence sample that exhibits a Y component". Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
7JUFGE	The non-sperm fraction of item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male donor from the sperm fraction. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
7P7LY7	PowerPlex Fusion 6C sample processing was conducted on Items 3 and 4. Autosomal analysis and interpretation was not conducted. Modified Rapid DNA Analysis was conducted on Items 1 and 2. No comparison to evidence was made. NID = No Interpretable Data
7QGHB3	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.
7RT29E	NR=No Results. **= possible elevated stutter
7UU9EJ	Item 4 is being reported as inconclusive due to an observed DNA mixture. This laboratory does not interpret mtDNA mixtures.

TABLE 8

Cert WebCode	Additional Comments
7WWZP7	For the epithelial fraction of Item 4, an additional low signal level allele was detected in a stutter position at D12S391 and is designated in []. This additional low signal level allele may indicate a stutter peak elevated above our laboratory's threshold for stutter or it may indicate the potential presence of a minor contributor to the DNA mixture. For this same mixture, numbers in parentheses indicate alleles that are either stutter or possible minor contributor alleles, if a minor contributor is present within the mixture.
82B2JG	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
89CDED	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
8ALHT2	Stutter filters left on for analysis. This lab does not conduct mito or Y-STR testing.
8ANY3U	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
8CCNBD	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
8CW6QF	Any peaks that are labeled MAS were not included in the allele table per our policy. These peaks would be modeled as stutter peaks in STRmix.
8ECQ92	reporting results with stutter filters on
8EVP6Z	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation
8LW22W	Semen was indicated on item 4; however, sperm was not identified. An additional confirmatory exam was performed and sperm was observed. Male Screening was performed on items 3 and 4 using the Plexor HY quantification kit.

TABLE 8

Cert WebCode	Additional Comments
8PTTAT	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
8Q4KE4	INC = Inconclusive. - = Base deletion. Per [Laboratory] guidelines, mito mixtures are reported as inconclusive but can be used for exclusionary purposes only. mtDNA results for item 4 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
8R2LN2	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that maybe have been given weight during the development of the genotype probability distribution table. This analyst was not proficient in serology at this time. Thus, all evidence proficiency samples were extracted with the non-differential method.
8R79R2	NR = No Results. Male screening testing was performed by a qualified Forensic Biologist and results analyzed by DNA Analyst. Globalfiler Express testing was performed by a qualified DNA technician and results analyzed by DNA Analyst.
8TY9PC	NR= No results
8V23P3	ND = Not Detected
8XDFUY	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.
8ZDWGT	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
94CNBB	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
9988KW	Item 4.1 F1 Y (epis Y) - Possible elevated plus stutter or chromosomal duplication at DYS518. 37 peak at 4597 rfu, 38 peak at 751 rfu. Item 4.1 F2 Y (sperm Y) - Possible elevated plus stutter or chromosomal duplication at DYS518. 37 peak at 5235 rfu, 38 peak at 467 rfu.
9AVZ2X	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Only Y-STR amplification and interpretation was performed on selected samples for this proficiency based on male quantification values. This was not performed on CTS item numbers 1 and 3.
9DD8FY	A team approach was utilized for biological screening.

TABLE 8

Cert WebCode	Additional Comments
9FQLFF	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
9GGVYV	One sperm was identified on item 3. This was also confirmed by three other analysts for verification.
9J9XZ3	NR = No result
9NHWTV	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 component.
9WQM2Z	Whole mtDNA genome results were obtained for Items 1, 2, and 3, but only HV1 and HV2 were included in the mtDNA results tab as requested by CTS. Below you will find the complete results. *Note: Item 2 is missing the range 249-289. This range is covered by one of the least efficient of the 162 amplicons used as a part of the Applied Biosystems Precision ID mtDNA Whole Genome system to sequence the entire mtDNA genome sequence and therefore it is not unusual for it to drop below our analytical threshold (AT). This area may also have a primer binding site mutation due to a 247A variant, further decreasing the efficiency of this amplicon. The 263G variant is observed in the reads for Item 2, however, due to the reads falling below our AT, the variant is not called. Item #: Item 1 Item 2 Item 3 range: 1-16569 1-248; 1-16569 299-16569 Variants:73G 73G 73G 249del 152C 249del 290del 182T 290del 291del 185T 291del 315.1C 195C 315.1C 489C 228A 489C 493G 247A 493G 523del 315.1C 523del 524del 357G 524del 750G 523del 750G 1438G 524del 1438G 2706G 709A 2706G 3552A 710C 3552A 4242T 750G 4242T 4715G 769A 4715G 4769G 825A 4769G 7013A 1018A 7013A 7028T 1738C 7028T 7196A 2352C 7196A 8584A 2706G 8584A 8701G 2758A 8701G 8860G 2768G 8860G 9540C 2885C 9540C 9545G 3308C 9545G 9557T 3594T 9557T 10398G 3666A 10398G 10400T 3693A 10400T 10873C 4104G 10873C 11719A 4769G 11719A 11914A 5036G 11914A 12454A 5046A 12454A 12705T 5393C 12705T 13263G 5655C 13263G 14318C 6378C 14318C 14766T 6548T 14766T 14783C 6827C 14783C 15043A 6989G 15043A 15301A 7028T 15301A 15326G 7055G 15326G 15487T 7146G 15487T 16223T 7256T 16223T 16298C 7389C 16298C 16325C 7521A 16325C 16327T 7867T 16327T 16519C 8248G 16519C 8468T 8655T 8701G 8860G 9540C 10398G 10688A 10810C 10873C 11719A 12519C 12705T 13105G 13506T 13650T 13789C 13880A 14053G 14178C 14203G 14560A 14766T 14769G 15115C 15224T 15326G 16126C 16187T 16189C 16223T 16264T 16270T 16278T 16293G 16311C 16519C. [Participant created a manually formatted table within the freeform text space. This special formatting was not transferable into the final report. Data is presented as is.]
9XM3DW	Reporting with stutter filters on.
A2NCC7	[Name] performed biology screening. [Name] performed DNA lab work and interpretation. [Name] performed tech review of the CTS data entry for biology and [Name] performed tech review of the CTS data entry for DNA. Item 3: Confirmatory testing for hemoglobin with HemDirect disclosed the presence of blood, of probable human origin. The HemDirect test is not considered a confirmatory for species (it is considered confirmatory for blood), due to the fact that some upper primates and under some conditions, ferrets, have been reported giving positive results with the HemDirect card. Item 4: Presumptive testing for hemoglobin with Luminol and Phenolphthalein indicated the possible presence of blood. The amylase diffusion test is a presumptive test for the presence of amylase (an enzyme found in body fluids, including saliva).
A3ET8Y	Item 4 Sperm fraction had indications of 3 contributors. This was interpreted as a 3 contributor DNA profile conditioned on the Victim's DNA profile. Additional alleles below our reporting threshold were noted at Penta E (18) and D12S391 (25)
A8QLGD	For Item 1.4 (S) - All peaks were included in the allele tables, even if they could be modeled as stutter (MAS) using probabilistic genotyping software, due to those peaks being similar in peak height to potential true minor alleles. For Item 1.4 (NS) - Peaks that would be modeled as stutter (MAS) using probabilistic genotyping software were not included in the allele tables, due to MAS peaks not being similar peak heights to the other contributors.

TABLE 8

Cert WebCode	Additional Comments
AB78XY	Reporting results with stutter filters on
ACNZ43	Y-screening conducted only on item 3 and item 4. Male DNA was detected on item 4. Male DNA was not detected on item 3.
AECFDB	NR - No interpretable result. **-possible elevated stutter
AGX8GZ	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. A stutter peak (10) was observed at the DYS391 locus in the DNA profile of the sperm cell fraction of item 4. This was not included in the DNA Results table. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. The analytical DNA process (extraction, quantification, amplification, capillary electrophoresis) was performed by another analyst in the lab. The DNA profiles and associated paperwork were provided to me for interpretation.
AHP7VY	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
AJFEU2	INC = inconclusive; NA = not applicable/not tested. MtDNA results for item 4 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes. Autosomal and Y-STR testing were not conducted.
AJZ9GX	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
AKCYFF	NR = No results. GlobalFiler, MiniFiler and Yfiler were performed on Item 1 and Item 3. GlobalFiler and Yfiler were performed on Item 2 and Item 4. Results were concordant at all overlapping loci.
AKVQKK	Reporting STRmix results with stutter filters on. Item 4 shows sperm-epi carry-over.
AL2H6K	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex Fusion System as per laboratory policy.
AR2BUB	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
AU2V9U	Male Screening was performed on items 3 and 4 using the Plexor HY quantification kit.

TABLE 8

Cert WebCode	Additional Comments
AVCKQL	A mixture of DNA was obtained from the epithelial cell fraction extracted from item 4. Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. With regards to PowerPlex Fusion testing results, DYS391 is reported as INC per laboratory policy. PowerPlex Fusion and YFiler amplification kits were used to test items 2 and 4, and the results for each were concordant at the DYS391 locus.
AWCGC3	Mixture proportions for non-sperm fraction (NS/ep) of item 4 - 78:22
B2ZHZU	Semen was indicated on item 4, however no spermatozoa were detected during microscopy to confirm the presence of semen. No fluorescence was observed on item 4 with alternate light source.
B3ANWV	Reporting results with stutter filters on.
B6W9XT	Items 3 and 4 were not processed for STR analysis. Items 1 and 2 were processed for STR for database purposes only. Items 1 through 4 were processed for mtDNA analysis. A serological evaluation was not performed on Items 3 and 4 as it is not necessary to determine the method of processing for mtDNA analysis. A mixture mtDNA profile was obtained from Item 4 and the data is not reported because [Laboratory] does not have a validated protocol for the deconvolution of a mixed mtDNA profile. Since Item 4 is not reported, no interpretations can be made between Items 1 and 4 and Items 2 and 4. A differential extraction, designed to separate sperm heads from epithelial cells, was not performed since it cannot separate mtDNA from multiple contributors.
B79XAH	Sperm fraction carry over noted in epithelial fraction.
B9ZRDE	Male screening was performed on 01-03 (questioned stain from victim's shirt) and 01-04 (questioned stain from victim's underwear) using the Plexor HY quantification kit. Item 01-04-AA (portion of questioned stain from victim's underwear) in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
BA7DRD	NR - no DNA typing result. It should be noted that Amelogenin and the male markers are not included in the STRmix interpretation or likelihood ratio calculations for single source or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation or likelihood ratio calculations but are included in the CTS report.
BFZAUC	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
BJ34U2	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.
BK8RY7	Item 4 is being reported as positive for the indication of semen, but negative for the presence of spermatozoa

TABLE 8

Cert WebCode	Additional Comments
BLALTX	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.
BQ2TB7	Minifiler results were concordant with Identifiler Plus DNA profiling results
C98TDD	NR = No results
CB3963	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
CCBCNR	37,38 was reported for Items "4 e" and "4 sp" at DYS518. For both items, the 38 allele may be elevated plus stutter, but it could not be labeled as such due to the peak height ratio between the 37 and the 38 being significantly higher than the expected plus stutter percentages at this locus. For "4 e", the peak height ratio was ~15.44%. For "4 sp", the peak height ratio was ~9.7%.
CEECHX	Extraction: Item 3 was extracted using Chelex Extraction while Item 4 was extracted using Chelex Differential Extraction. Quantification: Item 3 and Item 4 were quantified using Quantifiler Human Quantification Kit and carried out by 7500 Real-Time PCR. Amplification: Item 1 and Item 2 were amplified using AMPFISTR Identifiler Direct Kit on 9700 GeneAmp PCR System. Item 3 and Item 4 were amplified using AMPFISTR Identifiler Plus Kit on 9700 GeneAmp PCR System. Item 2 and Item 4 were amplified using AMPFISTR Yfiler Kit on 9700 GeneAmp PCR System. Electrophoresis: The electrophoresis process was carried out by Genetic Analyzer 3500xl for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out along with the analysis and all gave the intended results.
CT3DEW	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.
CWEE7U	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. No interpretation for Y23 data was performed.
CZ68TX	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds

TABLE 8

Cert WebCode	Additional Comments
D9AUMH	Y-STR analysis results for both the epithelial and sperm fractions of Item 4 indicate an apparent duplication at DYS518 as two alleles were detected in what otherwise appears to be a single source sample. The male DNA haplotypes obtained from both fractions are consistent with one another. The additional allele of 38 is in plus stutter position in both fractions, but exceeds the stutter filter and the plus stutter allowance per laboratory policy. Per laboratory policy and practice, DYS518 would not be used for statistical purposes.
DGJ66A	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
DVMGRV	Performed TMB, PHT, ALS, AP, p30, and microscopic tests. Performed robot run (Hamilton AutoLys StarPlus automated platform operation) for [Lab-specific naming convention], including: Extraction and Purification (PrepFiler, automated set up), Quantification (Quantifiler Duo, 7500, automated set up), and Amplification (24plex, Thermal Cycler 9700, automated set up). Performed Capillary Electrophoresis setup (3130) for [Lab-specific naming convention]. Performed manual extraction (EZ1 Investigator) for [Lab-specific naming convention]. This analyst is not qualified to interpret DNA data.
E722JV	Screening for semen and differential extraction were not performed as the analyst is not competent.
EAKX6Z	[Name] performed the biology screening portion of this test. [Name] performed the DNA analysis and interpretation portion of this test.
ECJ96G	DYS391 is reported as INC for Power Plex Fusion results as per lab policy. Any labeled peaks seen in stain from underwear, sperm cell fraction that are likely due to PCR/STR artifacts were not reported and will not be used for comparison or conclusions
ECRF4W	Forensic Biology analyst performed blood, sperm, saliva, urine and male DNA screening test; DNA bench analyst performed blood screening test. DNA data analyst also performed blood screening test and reviewed male screening test results; AP (inc): Due to an indeterminate result and/or substrate interference, this test was determined to be inconclusive; NR = no results;
EF4BVM	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
EM6D9Z	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples
ENHW6Q	Male screening was performed on item 3 and item 4 using the Plexor HY quantification kit. Semen was indicated on item 4, however, sperm was not identified. An additional confirmatory exam was performed and sperm was observed.

TABLE 8

Cert WebCode	Additional Comments
EPCU9Q	Item 4 is being reported as inconclusive due to an observed mtDNA mixture. This laboratory does not interpret mtDNA mixtures.
EQUP86	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
EW9V4B	This laboratory does not interpret mtDNA mixtures, therefore item 4 is reported as inconclusive.
EWBFDX	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.
F2JZXN	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. There is a duplication event confirmed by re-amplification, for item 4 at locus DYS518: 37,38.
F6A36X	1.4NS mixture ratio 78:22
F9346Q	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.
F9L4WU	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. A partial Y-STR profile was obtained for Item 4-epithelial cell fraction in this test. A complete Y-STR profile was obtained from the corresponding sperm cell fraction for Item 4. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
F9ZMGR	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
FA9WGC	1. A genetic profile was obtained from the sample identified as item 1, which comes from the female victim. 2. A genetic profile was obtained from the sample identified as item 2, which comes from the male suspect, and a Y chromosome haplotype was also obtained. 3. A female genetic profile was obtained from the sample identified as item 3, which comes from the stain in question on the victim's shirt (yellow) and corresponds to item 1, but does not correspond to item 2. 4. A mixture of genetic profiles of at least two contributors with male contribution of item 4, which come from the stain in question on the victim's underwear (blue), was also obtained, a Y chromosome haplotype was obtained. 5. When comparing the genetic profiles and Y chromosome haplotype obtained from item 2 and item 4, no correspondence was found between them.

TABLE 8

Cert WebCode	Additional Comments
FB8WW4	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
FCYVA	NR = No Results. PowerPlex Fusion and Yfiler Results were concordant at DYS391 for Items 2 and 4.
FF3V68	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
FHNQGE	DYS391 is reported as INC for the PowerPlex@ Fusion System as per laboratory policy.
FKWP39	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
FRFQQY	NR denotes No results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction.
FT8QNA	Allelic drop-out of 16 allele at D19S433 observed for item 4 e.
FVCNQP	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on Items 3 and 4. Item 3: No male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
FVX8J4	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
FYVM2Y	As item 4 is as an admixture, mtDNA analysis were not performed on it.
G3VX3T	Y-STR testing and mitochondrial DNA testing are not performed at this laboratory. Reporting results with stutter filters on.
G4NXZ4	NR=No Results
G6ZPRK	NR = No Result

TABLE 8

Cert WebCode	Additional Comments
G7V9W8	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
GAMF2A	NR = No result. Item 2 was processed in PowerPlex Fusion and YFiler. Data were concordant at DYS391. Item 4 was processed in PowerPlex Fusion and YFiler. Data were concordant at DYS391.
GBP6KX	Exh 1: female reference sample not tested for Y-STR analysis. Exh 3: -sample not amplified for Y-STR analysis since no male DNA detected; -has no male DNA detected, therefore male reference sample is excluded. Exh 4: -AP inconclusive due to fabric color.
GC26HT	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
GFGGEA	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
GGGC7R	DNA interpretations not reported; samples analyzed for casework reference batch processing only.
GMEB7F	Item 4: AP test inconclusive, Micro x 3(no spermatozoa observed), low level male DNA detected at quant
GMX4XD	* Any labeled peaks seen in questioned stain from victim's underwear (blue), sperm cell fraction are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. * DYS391 is reported as INC for the PowerPlex® Fusion System as per laboratory policy
GPBKX	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
GTAVKX	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
GTMN2T	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using the AmpFISTR Identifiler Direct PCR Amplification Kit while Item 3 and Item 4 were amplified using the AmpFISTR Identifiler Plus PCR Amplification Kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2, Item 3 and Item 4 using the AmpFISTR Y-filer PCR Amplification Kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyzer with Genemapper ID-X Software for Item 1 and Item 2 (Identifiler Direct) and Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl with Genemapper ID-X Software for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results.

TABLE 8

Cert WebCode	Additional Comments
GWLZXT	Extraction: Item 1 and Item 2 were extracted using in-situ method while Item 3 and Item 4 were extracted using Chelex extraction method. Quantification: DNA quantitation for Item 3 and Item 4 were carried out using the Quantifiler Human DNA Quantification kit with Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 system. Amplification: Item 1 and Item 2 were amplified using AmFISTR Identifiler Direct Kit while Item 3 and Item 4 were amplified using AmFISTR Identifiler Plus kit on 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 4 using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on Genetic Analyzer 3500xl for Item 1 and Item 2 (Identifiler Direct), Item 3 and Item 4 (Identifiler Plus). Electrophoresis for Y-Filer was carried out on Genetic Analyzer 3500xl for Item 2 and Item 4. Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results.
GXWVPC	Item 4 sperm cell fraction carryover into Item 4 epithelial cell fraction.
H386FL	This test was performed by a DNA technician, who is authorized to perform extraction (EZ1) and quant (manual and robotic Plexor HY) only. No DNA interpretations will be made. Data was amplified to check for accuracy. It should be noted that Item 4 in this test was extracted by a differential extraction method. There is a possibility of incomplete separation in one or both fractions. Any partial profiles obtained were injected at the maximum time but were not re-amplified since this data was not interpreted.
H4FHXM	Male Screening was performed on Item 3 and Item 4 using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on Item 3 and Item 4. Item 3: No male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
HBD8ER	Item 4 was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial cell fraction, resulting in a mixture profile. Allele calls from both donors are observed in the profile due to the incomplete separation.
HBW6F7	NR = No Results. Note: 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
HEVERT	INC = Inconclusive. - = base deletion. MtDNA results for item 4 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
HHF2TT	reporting with stutter filters on
HJTXWC	DYS391 locus was reported as INC for Fusion profiles for all samples as per laboratory policy. Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions and comparisons.
HKPBUQ	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

Cert WebCode	Additional Comments
HQFPER	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
HT2KTJ	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
HTJFNR	The single source major component was the same unknown male contributor in both the sperm and substrate fractions. The minor component for both profiles were too low level for comparison purposes. Only the sperm fraction alleles were reported here. Sperm fraction from item 4 had A/TAs: (15) at D19S433, (16) at D10S1248, and (23) at D12S391.
HW4CAW	The acid phosphatase test for item 4 was inconclusive due to substrate color. Only performed Y-STR amplification and analysis. Therefore, items 1 and 3 were not amplified since no male DNA was detected. Interpretations/ comparisons were not conducted concerning item 1 to either unknown items (items 3 and 4) and no interpretation/ comparison was performed for item 2 for unknown item 3.
HWKFVB	Reporting strmix results with stutter filters on. Epi carryover to sperm fraction, sperm carryover to epi fraction.
HY66FN	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Analytical lab work was performed by another analyst. Interpretation performed by this analyst.
J27R9J	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
J3ELQG	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.
J4FN3N	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
J7N3AU	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework. NR denotes "no results".

TABLE 8

Cert WebCode	Additional Comments
J9PVFL	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Semen was indicated on item 4; however, no spermatozoa were detected to confirm the presence of semen on screening tests.
JAJTJL	Inconclusive mtDNA control region data is being reported for Item 4 due to the presence of multiple mtDNA sequences within the mtDNA data.
JAME6U	NR denotes no results obtained. This laboratory does not generate an allele table for evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
JBZQAQ	NR = No Results. Screen tests all performed by qualified forensic biologist. Male screen interpreted by reporting analyst. KM testing done on sample 1 by reporting analyst. Results positive. DYS391 concordant between Yfiler Plus and GlobalFiler
JC83TM	Serology testing for item 3.0 and 4.0 was to determine the extraction method and was not part of this proficiency test.
JD4Q2B	My laboratory does not perform screening tests for saliva. Semen tests for all items marked NT; I am not trained/competent in presumptive testing for seminal fluid or sperm identification.
JEELN3	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
JFNKWQ	Item 04 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
JMPWRM	Male screening was performed on Item 3 and Item 4 using the Plexor HY quantification kit. Interpretation only performed by this analyst. Only DNA lab work was performed by this analyst. Evidence profiles were interpreted by another analyst using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form by this analyst. This approach may result in at least one stutter peak being included in the DNA Results tables. Full profiles were obtained for the epithelial and sperm cell fractions; however, there was incomplete separation. Allele calls from both donors were observed in these mixtures. This is a normal observation routinely seen in casework.
JN3E2K	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

Cert WebCode	Additional Comments
JR688C	sperm carryover may have occurred in epithelial fraction of Item 4
JY37AK	The stains from the shirt (Item 3) were found positive only on blood Rapid Stain Identification (RSID-blood) and contain DNA profile similar to the blood from female victim profile (Item 1). The stain from victim's underwear (Item 4) were found positive with blood Rapid Stain Identification (RSID-blood) and semen Rapid Stain Identification (RSID-semen). Mix DNA profile was observed from item 4 which included of female victim profile and another male DNA profile. The male suspect DNA profile (Item 2) was excluded from stain from victim's underwear (Item 4).
JYLXD4	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial cell fraction, resulting in a mixture profile. Allele calls from both donors were observed in the epithelial cell profile due to the incomplete separation.
JZETUK	Semen was indicated on item 4; however, no spermatozoa were detected during microscopy nor fluorescence during alternate light source. Male screening was performed manually on items 3 and 4 utilizing the Plexor HY Quantification kit. DNA Analytical for items 1 - 4: robotic extraction and purification with PrepFiler, robotic quantification with Quantifiler Human, robotic amplification using 24 Plex Amplification Kit, and Capillary Electrophoresis with 3130xl.
KJTGAR	NR = no result
KKWGN6	NR= No results
KRWR4A	DYS391 is reported as INC for all samples tested per laboratory policy.
KTFFZW	Item 3 and 4 were analysed using the Minifiler and LCN Identifier Plus tests too. Where DNA results were present at sites in common, these were concordant with the Identifier Plus results reported for these samples in this report.
KV6LGM	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
KVYL7L	Y-screening (male DNA) results were interpretation only. Laboratory processes were not performed by this analyst. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
KWAMRK	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit. Item 3: No male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
KYGRJM	# indicates subtraction of the corresponding fraction. NR = no result.
KXYQP	STRmix probabilistic genotyping software was used to aid in the determination of genotype combinations. No stutter filters are applied when using this software and it is acknowledged that some stutter peaks can be recognized as true peaks. Every allele given weight as a possible true allele during the probabilistic genotyping deconvolution that is present in the table in the STRmix output file was reported. This includes any potential stutter peaks that maybe have been given weight during the development of the genotype probability distribution table. This analyst was not proficient in serology at this time. Thus, all evidence proficiency samples were extracted on the Hamilton extraction platform.
KZ9QL	Inconclusive mtDNA control region data was obtained from Item 4 due to the presence of multiple mtDNA sequences within the mtDNA data. This laboratory does not interpret mtDNA mixtures.
KZCJZ	NR = No interpretable Results
L2JW22	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
L3H2KG	NR = No Result
L4VTCX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
L86399	DYS391 is INC per lab policy using the PowerPlex Fusion amplification kit.
L8QKKV	No interpretation
LERWGR	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
LFJXE3	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the epithelial cell fraction of the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
LHR6K3	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
LLLXMJ	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Lab-specific naming convention] K1 (Item 1) and [Lab-specific naming convention] K2 (Item 2) if at any point evidentiary samples should become available for comparison.
LNXNX9	Reporting STRmix results with stutter filters on. Item 4 both epi and sperm fraction has carryover in both fractions.
LQ3873	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
LXKK62	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit.
LZ7FG9	Any labeled peaks seen in questioned stains (items 3 and 4) that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. In regards to PowerPlex Fusion results, DYS391 is reported as "INC" as per [Laboratory] interpretation policy.
M6WEFN	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used to calculate the following propositions: Item 3: 1s_U. Item 4 - Fraction 1: 1sU_UU. Item 4 - Fraction 2: 1sU_UU. Per FBU policy, STRmix would not be run in casework as the items were from the victim (1s). Stats run for PT purposes only. NID = No interpretable Data
M8Z6BH	No interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Lab-specific naming convention] K1 (Item 1) and [Lab-specific naming convention] K2 (Item 2) if at any point evidentiary samples should become available for comparison.
MAX634	Due to medical needs of [Name] the CE portion of the DNA process was performed by other qualified analysts.
MB24UM	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
ME436F	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
MFUDUN	INC=Inconclusive, MP unit does not interpret mixtures. NR/NE=No Results/Not Expected. NA=Not applicable.
MHLAHG	The Item 4 was considered a mixture as a result of autosomal STR test, so further mtDNA analysis was not performed.
MJ2AYQ	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
MKQWX8	DYS391 is reported as INC for all samples tested per lab policy.

TABLE 8

Cert WebCode	Additional Comments
MME6QG	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. **Analysis performed by a DNA Technician; therefore, no interpretation performed.
MME92J	1. Extraction: (i) Item 1 and Item 2 were extracted using in-situ method; (ii) Bloodstains extraction on Item 3 was carried out with Promega DNA IQ purification kit using Tecan Freedom EVO HID Evolution platform. (iii) Differential extraction of semen stains on Item 4 was carried out using Chelex extraction method. 2. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on QuantStudio 5 RT-PCR. 3. Amplification on 9700 GeneAmp PCR System and Proflex PCR System (GlobalFiler Express): (i) Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit. (ii) Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit. (iii) Item 2 and Item 4 were amplified using Yfiler PCR Amplification Kit. 4. Electrophoresis were carried out on Genetic Analyzer 3500xL. 5. Quality Control: Reagent blank, positive and negative control were carried out through analysis and all gave intended results.
MP6EFN	Missing Persons Unit reports mixtures as INC (inconclusive). NA = Not Applicable. NR/NE = no result/not expected.
MPLJXM	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
MQ2RFN	Item 4 sperm fraction is a major profile.
MTLVTM	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in both fractions, resulting in mixture profiles. Allele calls from both donors were observed in the profiles due to the incomplete separation.
MW428N	Team approach utilized for screening.
MWJGGJ	Reporting results with stutter filters on.
MYPJP9	Item 4 e and sp fractions haplotype at DYS518 appears to have an additional allele in the plus stutter position exceeding allowable values with the Yfiler Plus kit. Could this individual have a chromosomal duplication or is it an anomaly with the Yfiler plus kit?
N3NDYN	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

Cert WebCode	Additional Comments
N6ENMV	The non-sperm fraction and sperm fraction of item 4 are mixtures. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the semen donor. No alleles are present that are not attributable to either the victim or the semen donor from the sperm fraction.
N6U2Z8	Poor morphology of sperm cells in item 4. May be due to poor storage conditions.
N7NR7L	"NR/NE" means "No results/ not expected". Mixtures are reported as "INC".
N8NEDY	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit.
N9AAN7	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. <i>DYS391</i> is reported as INC for the PowerPlex Fusion system as per laboratory policy.
N9ZAYR	Exhibit 1 - female reference sample not amplified for Y-STR analysis since no male DNA detected. Exhibit 3 - sample not amplified for Y-STR analysis since no male DNA detected. Exhibit 4 - Acid phosphatase inconclusive due to fabric color.
NE48FH	Extraction: -Item 1 and Item 2 were extracted using in situ method. -Item 3 was extracted using Promega DNA IQ kit on TECAN FREEDOM EVO 150 and Item 4 was extracted using differential extraction method. Quantitation: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: -Item 1 and Item 2 were amplified using Globalfiler Express (GFE) kit on ABI Proflex PCR System. -Item 3 and Item 4 were amplified using Globalfiler Casework Amplification kit on ABI GeneAmp PCR System 9700. -Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification kit on ABI GeneAmp PCR System 9700. Electrophoresis: -Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. -Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-filer). Quality Control: -Reagent blank, Positive Control and Negative Control were carried out during analysis all gave intended results. NM: Non-male allele.
NEWBQ6	NR = No Results
NHXAW4	It should be noted that Amel and the male markers are not included in the STRmix interpretation or likelihood ratio calculations for single source samples or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation or likelihood ratio calculation but are included in the CTS report. For the YFiler Plus analysis, possible elevated stutter or a genetic anomaly was obtained for the <i>DYS518</i> locus for both the sperm and non-sperm fraction of item 4. This was noted in brackets and may or may not be a part of the haplotype.
NNK7PK	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
NQXJUG	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 (4A2.victim.underwear.epi) in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
NZLHFK	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.
P28KHL	NA = Not Applicable. - = Base Deletion. INC = Inconclusive. MtDNA results for Item 4 are a mixture of more than one contributor. The data are reported as Inconclusive (INC) but can be used for exclusionary purposes.
PDGB7F	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
PG6M7L	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
PGGL3F	Male Screening was performed on items 3 and 4 using the Plexor HY Quantification Kit. Information from the analysis was used to determine the presence of male DNA on item 4. Item 3: No male DNA was detected on this item utilizing the Plexor HY Quantification Kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification Kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables for Item 4 epithelial cell fraction. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted using a differential extraction method. Full profiles were obtained for both the epithelial cell and sperm cell fractions. There was incomplete separation in the epithelial cell fraction, resulting in a mixture profile. Some alleles consistent with the sperm fraction donor were detected in the epithelial cell fraction. This is a normal observation that is routinely seen in casework.
PLEUWP	Note: This proficiency test was utilized for serological analysis and Y-STR analysis only. Note: Acid phosphatase test was inconclusive due to fabric color for Item 4. Female reference sample (Item 1) not amplified for Y-STR analysis since no male DNA detected. No interpretation can be made regarding Item 1. Evidentiary sample (Item 3) not amplified for Y-STR analysis since no male DNA detected. No interpretation can be made regarding Item 3.
PP37W	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

Cert WebCode	Additional Comments
PR3L2X	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
PTDFR7	Any labeled peaks seen in samples that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. DYS391 is reported as INC for the PowerPlex® Fusion system as per laboratory policy.
PUNGD6	DYS319 reported as INC for all Powerplex Fusion samples tested per laboratory policy. A single source partial profile was obtained from victim's underwear-sperm cell fraction. This profile match that of male donor profile obtained from victim's underwear-epithelial cell fraction.
PUTKFW	NR = No interpretable results. ** = possible elevated stutter
PV227E	During screening, semen was indicated on item #4; however, sperm was not identified. An additional confirmatory exam was performed and sperm was observed. Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
PWEBJL	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. A partial profile was obtained for the sperm cell fraction of Item 3 in this test. However, the epithelial cell fraction of Item 3 yielded a full profile. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
PX92MF	Extraction: - Item 1 and Item 2 were extracted using in situ method. - Item 3 was extracted using Promega DNA IQ kit on Tecan Freedom 150. - Item 4 was extracted using differential extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using Globalfiler Express (GFE) Kit on ABI Proflex PCR System. Item 3 and Item 4 were amplified using Globalfiler Casework Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI Geneamp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-filer). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male allele.
PZYCQE	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

Cert WebCode	Additional Comments
Q4BT9H	This analyst was not proficient in serology at this time. Thus, all evidence proficiency samples were extracted with the differential method. Item 3 did not have sperm visualized at the differential step. Thus, having no DNA in the sperm cell fraction and no male DNA present at the quantification step was consistent with differential results and the DNA profiles obtained for this item. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. A partial profile was obtained for Item 3 (sperm cell fraction) in this test. The majority of the called alleles in the profile are within the stochastic region; therefore, dropout is or may be occurring. However, despite multiple attempts, a complete profile was not obtained, indicating a potential problem with sample quality. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
Q6P2QJ	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.
Q9AVLX	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
QAXKC6	For powerplex fusion results, DYS391 is reported as INC, as per our laboratory policy.
QC6UU2	For item 4SP Yfiler Plus amplification, drop out was observed at DYS570 and DYS385a/b. These results are consistent with the Quantifiler Trio Y Target (T.Y) value of 0.016 ng. Initial amplification had less recovery; item was re-amplified and those results are reported here.
QMHCY	NT = not tested. NR = no results.
QNFGNK	NID = No Interpretable Data. Modified Rapid DNA analysis was conducted on items 1 and 2 using the RapidHIT ID System and ACE GlobalFiler Express cartridge. All inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however to calculate a likelihood ratio on the following propositions: Item 3 - 1s_U, Item 4 fraction 1 - 1sU_UU, and Item 4 fraction 2 - 1sU_UU. It should be noted that for the purposes of this proficiency test the analyst did not condition on the victim standard (item 1) so that a likelihood ratio could be generated for these profiles (items 3, 4f1, and 4f2). It would be appropriate to condition on the victim standard in traditional casework given the FBU's protocols for all profiles generated given the case scenario.
QQRUTG	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).

TABLE 8

Cert WebCode	Additional Comments
QTFNAH	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.
QTWLKU	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
QV38BF	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
QWVYAF	Item 4 is inconclusive due to presence of mixture. This laboratory does not interpret mtDNA mixtures.
QXQJAL	NID = no interpretable data/no result. Note: inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio on the following propositions: Item 3 1S_U. Item 4 f1 1SU_2U. Item 4 f2 1SU_2U. Modified Rapid DNA analysis was conducted on items 1 and 2
R2G9Y4	According to [Laboratory] Forensic Biology Interpretation policies, the DYS391 locus in the Fusion kit is reported as INC. Any labeled peaks seen in the questioned stain(s) or item(s) which are likely due to PCR/STR artifacts are not reported or not used for conclusions or comparisons.
R2XKC3	DYS391 is reported as INC for all samples tested per lab policy. For all samples tested, any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons.
R4CVNE	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 being reported to the vendor as an additional comment but which has been modeled as stutter probabilistically during interpretation at the following locus: Item 4, D3S1358 and 16. 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.
R8M6H4	DYS518 for Yfiler Plus for the evidence haplotypes (4 F1 and 4 F2) has what could be a possible chromosomal duplication. Second allele is significantly above the +ST threshold given by the manufacturer (4.85%). This locus makes the haplotype tricky to report as it's not common for loci to have two alleles in a seemingly single source haplotype but because the second allele is significantly elevated it's not possible to consider that second allele an artifact.
R8R9KV	The non-sperm fraction of Item 4 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the donor of the sperm fraction. No alleles are present in the non-sperm fraction that cannot be attributed to the victim or the donor of the sperm fraction.
RACF9W	NR = No Results

TABLE 8

Cert WebCode	Additional Comments
RDEDWW	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
RJ2VKF	results reported with stutter filters on
RJ6LNG	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.
RVF2NV	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
RZAXDL	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
T4ZZ8C	Male Screening was performed on Item 3 and Item 4 using the Plexor HY quantification kit. Information from the analysis was used to determine the presence of male DNA on Item 3 and Item 4. Item 3: No male DNA was detected on this item utilizing the Plexor HY Quantification kit. Item 4: Male DNA was detected on this item utilizing the Plexor HY Quantification kit.
T7BPN3	DYS518 in both the F1 and F2 fractions for Item 4 had a peak in the plus stutter position that is well above typical plus stutter observed at that locus. However, there is no indication at the remaining loci of a mixture. Therefore it is possible that the 38 allele is a chromosomal duplication.
TABN89	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
TAQBGA	This test was performed by a DNA technician, who is authorized to perform extraction (EZ1) and quant (manual and robotic Plexor HY) only. No DNA interpretations will be made. Data was amplified to check for accuracy. It should be noted that Item 4 in this test was extracted by a differential extraction method. There is a possibility of incomplete separation in one or both fractions. Any partial profiles obtained were injected at the maximum time but were not re-amplified since this data was not interpreted.
TB4KUG	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.

TABLE 8

Cert WebCode	Additional Comments
TFZEFP	Presumptive testing with Phenolphthalein indicated the possible presence of blood. This test alone does not confirm the presence of blood. The HemDirect test is not considered a confirmatory test for species (It is considered confirmatory for blood), due to the fact that some upper primates and under some conditions, ferrets, have been reported giving positive results with the HemDirect card.
THPQEU	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
TKV9DQ	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
TQVM7E	Item 4 (sperm fraction): in an apparently single source DNA profile, an allele 14 at D5S818 was detected and was ~3.9% above our forward stutter (+4) cutoff and so was reported according to our interpretation guidelines. There is also the possibility that the 14 peak is elevated forward stutter or indicates the presence of a tri-allele.
TQWGMY	Item 4 epithelial and sperm fraction at locus DYS518 both had possible elevated stutter at 9% (epithelial fraction) and 8% (sperm fraction) or possible chromosomal duplication with peak 38. This locus will not be used for statistical or comparison purposes due to this possibility.
TUKWBE	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
TW6PLG	GMIDX analysis performed with stutter filters on. This laboratory does not perform Y-STR or mitochondrial DNA analysis.
U3MN3F	On this test, reporting analyst was responsible for STR interpretation; lab work related to this interpretation was performed by another analyst. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Male screening was performed on Item 3 and Item 4 using the Plexor HY quantification kit.
U4JUVT	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
U7PG6Q	NR = No Result. ** = Possible elevated stutter
U9RA7C	* = locus contains allele(s) below stochastic threshold. NR= no results

TABLE 8

Cert WebCode	Additional Comments
UAQFRC	Extraction: - Item 1 and Item 2 extracted using in-situ method. - Item 3 extracted using DNA IQ kit via Tecan Freedom Evo 150. - Item 4 extracted using differential extraction method. Quantification: - Item 3 and Item 4 quantified using Quantifiler Trio DNA Quantification Kit on QuantStudio 5 Real-Time PCR. Amplification: - Item 1 and Item 2 amplified using Globalfiler Express PCR Amplification Kit on Proflex PCR. - Item 3 and Item 4 amplified using Globalfiler PCR Amplification Kit on GeneAmp PCR 9700. -Item 2 and Item 4 were further amplified using Yfiler PCR Amplification Kit on GeneAmp PCR 9700. Electrophoresis: - Item 1, Item 2, Item 3 and Item 4 were run on ABI 3500xL Genetic Analyzer. Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave expected results.
UEZJQR	NR = No result. HT = HemaTrace. ** = May be attributed to elevated stutter. ^ = allele below stochastic threshold.
UMY4WT	No interpretation for item 1 or 3 - YSTR testing only (female known and no male DNA)
UN39YF	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
UQEPEE	Reporting with stutter filters on.
UR9LPU	Male screening was performed on Items 3 and 4 using the Plexor HY quantification kit.
UUEWYC	Only autosomal DNA was used for interpretation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
UV8V2G	NR = No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
UVPUDU	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
UXBMXB	No Interpretation - only known samples tested. There are no evidentiary items for comparison at this time. [Laboratory] will retain the mitochondrial DNA profiles for [Lab-specific naming convention] K1 (Item 1) and [Lab-specific naming convention] (Item 2) if any point evidentiary samples should become available for comparison.
V49UVB	Reporting results with stutter filters on.

TABLE 8

Cert WebCode	Additional Comments
V4D7J8	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
V7KE3Y	Any labeled peaks that are likely due to PCR/STR artifacts were not reported and will not be used for conclusions or comparisons. Per laboratory policy, the DYS391 locus tested in PowerPlex Fusion will not be interpreted or reported and will be marked "INC". Item 4 epithelial cell fraction was not amplified in Ystrs.
VAKPWD	Based on the results of DNA analysis, we found that the profile of Item 2 is not matching with the male profile of Item 4. DNA profile of other unknown male suspect is detected from the Item 4.
VC6JQT	NR = no result(s) detected
VCAVPB	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
VLDYRZ	Sperm carryover observed in the epi fraction.
VMACC8	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
VMQT6E	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
VN4BEC	The [Laboratory] does not currently perform y-STR or mito DNA analysis.
VQVATB	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.
VRNZYP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
VU7GVA	* = locus contains allele(s) below stochastic threshold
W6EM3U	Item 4, epi fraction, locus DYS518: 38 allele presumed duplication. Entered as true allele per protocols.
W94T4E	NR = No Results
W97J7G	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds
WAEYXU	Possible duplication at DYS518 in both 4e and 4s samples in YFiler Plus data.
WBNLYU	Item 04A was reported as inconclusive because this laboratory does not interpret mixed samples.
WCHHAA	ND: Allele(s) not detected.

TABLE 8

Cert WebCode	Additional Comments
WCLV3W	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
WD2D4H	The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples. Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
WE9NME	INC = Inconclusive. NA = Not Applicable. - = base deletion. MtDNA results for Item 4 indicate a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
WJN4QD	NR=No results. Serological Testing performed by Forensic Biologist. Male Screen Evaluation performed by DNA Analyst. Part 1 [Table 1] Item 3: The AP test conducted on item 3 was inconclusive due to the presence of the reddish-brown stain -a weak positive result cannot be ruled out. #1 and #2: GlobalFiler and GlobalFiler Express profiles were concordant. #2 and #4: Globalfiler and Yfiler Plus were concordant for DYS391.
WKYYYY	In accordance with laboratory testing and interpretation policies, DYS391 for all autosomal samples is reported as INC. 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.
WNZ3T7	reporting with stutter filters on
WWETDC	NA = Not Attempted. INC = Inconclusive. MtDNA results for Item 4 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
WVXRAA	Reporting results with stutter filters on
WWDZQP	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
WWRFWC	Male screening was performed on items 3 and 4 using the Plexor HY quantification kit. Laboratory analysis for Males screening was performed by another analyst, only interpretation was performed by this analyst. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Additionally not all alleles for both contributors were identified in both fractions but were present in one fraction or the other. No analytical lab processing for autosomal STR or YSTR analysis was performed by this analyst, only interpretation of both STR and YSTRs performed by this analyst.
WYHNWE	Missing Persons Unit reports mixtures as inconclusive(INC). NA means not applicable. "-" = base deletion.
WZN7UB	^ indicates peaks below stochastic per [Laboratory] policy. # indicates subtraction of known donor profile

TABLE 8

Cert WebCode	Additional Comments
WZTL8B	<p>Whole genome results were obtained for items 1,2,3, but only HV1/HV2 results were included in the mtDNA results tab as requested by CTS. Item 4 was a mixture and therefore not tested with the mtDNA assay. Below you will find the complete results for the tested items: Item 1 (1-16569) 73G 249del 290del 291del 315.1C 489C 493G 523del 524del 750G 1438G 2706G 3552A 4242T 4715G 4769G 7013A 7028T 7196A 8584A 8701G 8860G 9540C 9545G 9557T 10398G 10400T 10873C 11719A 11914A 12454A 12705T 13263G 14318C 14766T 14783C 15043A 15301A 15326G 15487T 16223T 16298C 16325C 16327T 16519C Item 2 (1-248, 299-16569) (Note: limited range in HV2 due 247A affecting primer binding of the mt_3 amplicon in our assay.) 73G 152C 182T 185T 195C 228A 247A 309c (Note: 309c was detected in this sample with 49% deletion and remaining reads as C and our analytical threshold is 45%) 315.1C 357G 523del 524del 709A 710C 750G 769A 825A 1018A 1738C 2352C 2706G 2758A 2768G 2885C 3308C 3594T 3666A 3693A 4104G 4769G 5036G 5046A 5393C 5655C 6378C 6548T 6827C 6989G 7028T 7055G 7146G 7256T 7389C 7521A 7867T 8248G 8468T 8655T 8701G 8860G 9540C 10398G 10688A 10810C 10873C 11719A 12519C 12705T 13105G 13506T 13650T 13789C 13880A 14053G 14178C 14203G 14560A 14766T 14769G 15115C 15224T 15326G 16126C 16187T 16189C 16223T 16264T 16270T 16278T 16293G 16311C 16519C Item 3 (1-16569) 73G 249del 290del 291del 315.1C 489C 493G 523del 524del 750G 1438G 2706G 3552A 4242T 4715G 4769G 7013A 7028T 7196A 8584A 8701G 8860G 9540C 9545G 9557T 10398G 10400T 10873C 11719A 11914A 12454A 12705T 13263G 14318C 14766T 14783C 15043A 15301A 15326G 15487T 16223T 16298C 16325C 16327T 16519C. [Participant created a manually formatted table within the freeform text space. This special formatting was not transferable into the final report. Data is presented as is.]</p>
X3VPPP	<p>The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).</p>
X83J4T	NR = no DNA results
X8AKCE	Item 1: elevated stutter 13 peak at D7S820. Item 4 e: stutter peak 21 at D2S1338. Item 4sp: stutter peak 16 at D10S1248.
XBAG9W	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
XDLACB	Item 3, sperm fraction not analyzed due to lab policy.
XGWB49	<p>The analytical procedures for this test were performed by another analyst and the interpretation was done by the reporting analyst. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Full profiles were obtained for the epithelial and sperm cell fractions; however, there was incomplete separation. Allele calls from both donors were observed in these mixtures. This is a normal observation routinely seen in casework.</p>
XP739W	Reporting STRmix results with stutter filters on. Carryover of sperm fraction into the epi fraction.
XRGVCC	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. N/A - Not Applicable.
XVW89T	Minor 38 allele at DYS518 for 4EC and 4SP is consistent with elevated n+4 stutter however the stutter % exceeds our laboratory stutter filter value
XW986M	** = Possible elevated stutter

TABLE 8

Cert WebCode	Additional Comments
XWCKYB	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.
Y3RKP8	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotyping weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
Y8KNK7	Item 4 produced mtDNA data with multiple mtDNA sequences present. This laboratory does not interpret mixed mtDNA sequences.
YATQG4	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
YFVXW7	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables for Item 4(e) of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
YKCBP7	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.
YKQRU8	No interpretation performed, only performed lab work using 24Plex and Y23. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
YN9X89	INC = inconclusive. - = deletion. MtDNA results for item 4 are a mixture of more than one contributor. The data are reported as inconclusive but can be used for exclusionary purposes.
YNCMK7	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.
YQZYJC	Male Screen testing performed on a sample from each of item #3 and #4 by a qualified forensic biologist. The DNA analyst reviewed and interpreted the male screen results. KM testing was done by both the forensic biologist and the DNA analyst. Other serological tests were done by the forensic biologist. Item #2 was done with both GlobalFiler and GlobalFiler Express STR DNA amplification kits. The results were concordant. NR = No results.
YR96T7	reporting with stutter filters on

TABLE 8

Cert WebCode	Additional Comments
YRRYGM	The non-sperm fraction of item #4 is a mixture. This could be due to incomplete separation during the differential extraction procedure or from a non-sperm source of DNA. No alleles are present that cannot be attributed to the victim or the male donor to the sperm fraction.
YT4U3F	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
YVPPN	The victim has no interpretations for either item because the victim known was not processed for DNA. This test was used for YSTR testing only and the victim is listed as female. There is no interpretation for the suspect with item 3 b/c no male DNA was detected in item 3, so it was not amplified or interpreted. This test was used for YSTR testing only.
YXBB8A	reporting results with stutter filters on
Z2CPGK	**=Possible elevated stutter.
Z4Z2FQ	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
Z62W6N	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
ZCFP98	I performed the STR and Y-STR DNA analysis process (Extraction, Quantification, Amplification, and Capillary Electrophoresis). Interpretations were performed by other analysts and results were provided for data entry. A stutter peak (10) was observed at the DYS391 locus in the DNA profile of the sperm cell fraction of item 4. This was not included in the DNA Results table. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
ZE2P8M	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
ZGLJ33	Item 4 was extracted by a differential extraction method. Full profiles were obtained for the epithelial and sperm cell fractions; however, there was incomplete separation in the epithelial fraction, resulting in a mixture profile. All allele calls from the female donor were observed in the profile; however, all of the alleles from the male donor were also observed due to the incomplete separation. This is a normal observation routinely seen in casework.

TABLE 8

Cert WebCode	Additional Comments
ZMA7X8	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
ZR8RK4	DYS518 YFiler Plus Results for Item 4 F1 and F2 fractions had either very elevated stutter or some type mutation or chromosomal issue. There are possible plus stutter peaks at D5S818 (14), and SE33 (29.2 and 38) that are not consistent with any other profiles. Due to presence of three +St peaks they were not marked off as stutter.
ZRCXEL	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor based on the >99% genotype weightings are being reported. With probabilistic genotyping peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible allele(s).
ZUBHT6	Male screening was performed on item 3(neg for male DNA) and item 4 (pos for male DNA) using the Plexor HY quantification kit. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables. Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
ZUVY98	Item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell and sperm cell fractions; however, there was incomplete separation in one or both fractions, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation. Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for plus and minus stutter. Any alleles included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables of this form. This approach may result in at least one stutter peak being included in the DNA Results tables.
ZZKPJA	[] - indicates minor allele/s and alleles between analytical and stochastic thresholds. N/A - Not applicable.

**-End of Report-
(Appendix may follow)**

Test No. 21-5702: Forensic Biology

DATA MUST BE SUBMITTED BY **May 3, 2021, 11:59 p.m.** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: AGG3C9

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

Scenario:

Police are investigating the sexual assault of a female victim. Police were called to the scene of the incident by a young female who was attacked while running a popular trail through the woods. The victim stated she eventually fought off the perpetrator and then called police. A suspect was apprehended based on witnesses' descriptions of a male individual seen running from the woods. Investigators are submitting stains from the shirt (Item 3) and underwear (Item 4) the victim was wearing during the attack. Also provided were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack B2):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

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

Part I: SCREENING TESTS

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

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

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

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

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

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

Item 3:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input style="width: 100px;" type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>

Item 4:	<u>Positive</u>	<u>Negative</u>	<u>Inconclusive</u>	<u>Not Tested</u>	<u>Test(s) Performed</u>
Blood	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Semen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Y-Screening (male DNA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="text"/>
Other: <input style="width: 100px;" 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 style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

HVR II	Item 1	Item 2	Item 3	Item 4
Bases Sequenced:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev	Base Pair - Dev
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>
Deviations:	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

Part III: DNA INTERPRETATION

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

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