



Forensic Biology Test No. 26-5703

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were asked to analyze using their existing protocols. Data were returned from 450 participants and are compiled into the following tables:

	<u>Page</u>
<u>Manufacturer's Information</u>	<u>2</u>
<u>Summary Comments</u>	<u>4</u>
<u>Table 1: Serology Screening Results</u>	<u>5</u>
<u>Table 2: STR Amplification Kit(s) & Results</u>	<u>40</u>
<u>Table 3: YSTR Amplification Kit(s) & Results</u>	<u>319</u>
<u>Table 4: Additional DNA Results</u>	<u>364</u>
<u>Table 5: DNA Interpretations</u>	<u>365</u>
<u>Table 6: Additional Comments</u>	<u>373</u>
<u>Appendix: Data Sheet</u>	

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 and two questioned stains. Participants were asked to analyze these items using their existing protocols.

SAMPLE PREPARATION: Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried into separate envelopes.

SAMPLE PACK ASSEMBLY: One of each item was placed into a pre-labeled sample pack envelope and sealed. The sealed envelopes were then packaged in pre-labeled heat seal envelopes and sealed. Completed sample packs were stored at -20°C until shipment.

VERIFICATION: Predistribution results were consistent with each other and the manufacturer's preparation information. Consistent allelic results were reported for all STR and YSTR loci. All participants reported consistent screening results.

PLEASE NOTE: During the review of Item 3, significant inconsistent results were identified. Further discussion of this item is available in the Summary Comments section of this report.

Item	Known/ Questioned	Substrate	Body Fluid	Volume (Mixture Ratio)	Sex	Donor Information
1	Known	FTA™ Micro Card	Blood	75 µL	Female	Victim
2	Known	FTA™ Micro Card	Blood	75 µL	Male	Suspect
3	Questioned	Grey Fabric	Blood/Semen	50 µL (1:1)	Female/Male	Victim/Suspect
4	Questioned	Green Fabric	Blood/Blood	50 µL (1:1)	Female/Female	Victim/Additional Female

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	15,3,17.1	17,17	10,11	15,17	7,11	*
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18	NM	NM	NM	NM	
2	15,17.3	17,23	10,14	16,18	12,12	*
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	
3-Blood	15,3,17.1	17,17	10,11	15,17	7,11	*
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18	NM	NM	NM	NM	
3-Semen	15,17.3	17,23	10,14	16,18	12,12	*
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	*
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM	NM	NM	NM	

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

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

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	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	12	16	17	21	23	10	12
3-Semen	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	12	16	17	21	23	10	12

Summary Comments

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

Data were returned from 450 participants.

Screening Test Results

Screening results for body fluids were returned by a total of 399 participants. It is important to note, not all of these participants returned screening results for each fluid type for both questioned items.

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

For Item 4, all participants reported "Positive" for the presence of blood. For the presence of semen, all participants reported "Negative." For the presence of saliva, all participants reported "Negative." For Human Origin Screening, all participants reported "Positive." For Y-Screening, all but three participants reported "Negative." Of the remaining participants, two reported "Positive" and one reported "Inconclusive."

DNA Analysis

For Items 1, 2, and 4 STR results, a total of nine participants reported inconsistent results for one or more loci. For Item 3 STR results, a total of 103 participants (25%) reported inconsistent results for one or more loci. A majority of these were reported for Item 3-Blood, in which eighty-five participants reported an inconsistent result. Of these participants, sixty-six were missing alleles, seventeen reported additional alleles, and two reported both missing and additional alleles. Over half of the missing alleles were at locus D12S391 and locus D22S1045. An amplification kit trend was not identified. Finally, eleven participants documented the presence of trace alleles and/or indications of an apparent third contributor within Item 3.

The frequency of inconsistencies observed, particularly regarding Item 3-Blood, is higher than historical trends. A formal investigation is underway to determine the root cause of these shared inconsistencies.

For YSTR results, all but four participants reported consistent results.

DNA Interpretations

Of the 413 participants that returned DNA results, 386 reported DNA interpretations for one or both questioned stains. Fifteen participants selected the "No Interpretation" option for each conclusion, one did not respond, and eleven stated the samples were analyzed for database purposes only.

For Item 3, all but six participants included the victim (Item 1) as a possible contributor to the stain. The remaining participants excluded the victim. All participants included the suspect (Item 2) as a possible contributor to the stain.

For Item 4, all participants included the victim (Item 1) as a possible contributor to the stain. All but one participant excluded the suspect (Item 2) as a possible contributor to the stain. The remaining participant included the suspect.

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
22UYZ3	Pos KM, HEM	Pos KM, HEM
24YH8B	Pos HemDirect	Pos HemDirect
28Z8CJ	Pos HemaTrace	Pos HemaTrace
29ACNM	Pos Hemophan, FOB test	Pos Hemophan, FOB test
2CQHLH	Pos ABACard HemaTrace	Pos ABACard HemaTrace
2DPKFT	Pos KM	Pos KM
2M8ED8	Pos TMB	Pos TMB
2NLQ6K	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
2PHMRE	Pos KM, ABACard HemaTrace	Pos KM
2UQKAE	Pos KM	Pos KM
2UTPUA	Pos KM	Pos KM
2VKWX8	Pos LMG	Pos LMG, HemaTrace
2VN778	Pos TMB (Hemastix), HemaTrace	Pos TMB (Hemastix), HemaTrace
2ZWCGQ	Pos KM	Pos KM
34T64U	Pos O-tol	Pos O-tol
34UKC7	Pos LMG	Pos LMG
36QHMF	Pos FOB	Pos FOB
38WLC3	Pos KM	Pos KM
3AZ4QX	Pos pheno	Pos pheno
3BRW9G	Pos KM, HemaTrace	Pos KM, HemaTrace
3JLYCE	Pos KM	Pos KM
3K3XUH	Pos KM, ABACard HT	Pos KM, ABACard HT
3LDN8T	Pos TMB	Pos TMB
3MLA8E	Pos KM	Pos KM
3U4G77	Pos KM, HemaTrace	Pos KM, HemaTrace
3U9QA4	Pos LMG	Pos LMG
3VNFLA	Pos KM	Pos KM
3XNLP2	Pos TMB	Pos TMB
3ZVAF7	Pos LMG	Pos LMG
42L9XV	Pos KM, HemaTrace	Pos KM, HemaTrace
4E8NYA	Pos HemaTrace	Pos HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4J2HWB	Pos LMG, HemaTrace	Pos LMG, HemaTrace
4JZD98	Pos KM	Pos KM
4L9ZV8	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
4NEHVN	Pos O-tol	Pos O-tol
4RZV6R	Pos KM	Pos KM
4TP26V	Pos KM	Pos KM
4VXLZ6	Pos KM, HemaTrace	Pos KM, HemaTrace
4W9W73	Pos O-tol	Pos O-tol
4YHWB9	Pos KM, HemDirect	Pos KM, HemDirect
4Z96CX	Pos KM	Pos KM
67ABGL	Pos KM, HemaTrace	Pos KM, HemaTrace
6BQHZE	Pos KM, TMB	Pos KM, TMB
6DWKZX	Pos O-tol, PPTH, HemDirect, ALS	Pos O-tol, PPTH, HemDirect, ALS
6EPUWE	Pos KM, TMB	Pos KM, TMB
6HLL3Q	Pos KM	Pos KM
6PNLPY	Pos TMB	Pos TMB
6PR6D3	Pos TMB	Pos TMB
6VUEJV	Pos KM, TMB	Pos KM, TMB
74HP6A	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
7864XQ	Pos TMB	Pos TMB
79YU46	Pos IR, TMB	Pos IR, TMB
7B3TCC	Pos Pheno	Pos Pheno
7EJZUK	Pos KM	Pos KM
7G7RPM	Pos KM, Hemdirect	Pos KM, Hemdirect
7LJA86	Pos KM, HemaTrace	Pos KM, HemaTrace
7MFT97	Pos IR, TMB	Pos IR, TMB
7T2RHR	Pos O-tol	Pos O-tol
7Z4KLZ	Pos KM	Pos KM
7Z4R2U	Pos TMB	Pos TMB
7ZXCBR	Pos KM	Pos KM
82EJG9	Pos KM & Combur (TMB)	Pos KM & Combur (TMB)
86AUE9	Pos LMG, HemaTrace	Pos LMG, HemaTrace
86TP4P	Pos KM, IR	Pos KM, IR

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
87N86Q	Pos TMB	Pos TMB
88XJK8	Pos KM, Luminol	Pos KM, Luminol
89TZX6	Pos IR, TMB	Pos IR, TMB
8CVFDZ	Pos KM, HemDirect	Pos KM, HemDirect
8EE2U9	Pos Hemochromogen	Pos Hemochromogen
8EYTRZ	Pos IR, TMB	Pos IR, TMB
8EZFHL	Pos Hemastix	Pos Hemastix
8FBH77	Pos KM	Pos KM
8K48F3	Pos KM	Pos KM
8LZMRZ	Pos KM, HEM	Pos KM, HEM
8MAVD2	Pos IR, TMB	Pos IR, TMB
8NZ4C4	Pos KM	Pos KM
8PEPNQ	Pos LMG	Pos LMG
8R84A2	Pos LMG	Pos LMG
8T4R3R	Pos TMB	Pos TMB
8WG8CW	Pos KM, Hem	Pos KM, Hem
8WYTVT	Pos KM	Pos KM
8ZXPFY	Pos LMG	Pos LMG
92NPV4	Pos KM	Pos KM
93KYEL	Pos KM, HT	Pos KM, HT
98FH64	Pos HD	Pos HD
9EYLC7	Pos TMB	Pos TMB
9F6MZ6	Pos RSID-Blood	Pos RSID-Blood
9KWRU9	Pos KM	Pos KM
9QBNX4	Pos KM	Pos KM
9R2WYT	Pos KM	Pos KM
9TE2JQ	Pos KM, HT	Pos KM, HT
9VHYQD	Pos KM	Pos KM
9XLUAF	Pos KM	Pos KM
A93XUK	Pos KM	Pos KM
ABA7AW	Pos LMG	Pos LMG
ADD2TZ	Pos KM, HemaTrace	Pos KM, HemaTrace
AFK7HG	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
AGGLVE	Pos KM, HX	Pos KM, HX
AHQ8HY	Pos KM	Pos KM
AJGFJN	Pos KM	Pos KM
AJMMUW	Pos KM	Pos KM
ATRH6N	Pos KM	Pos KM
AU2Y99	Pos KM	Pos KM
B3UCKY	Pos KM	Pos KM
B6E7DT	Pos KM	Pos KM
B7UVWT	Pos TMB	Pos TMB
BL6LME	Pos KM, HemaTrace	Pos KM, HemaTrace
BMJ4R6	Pos LMG	Pos LMG
BRT9J6	Pos LMG, HemaTrace	Pos LMG, HemaTrace
BW68Y6	Pos KM, Luminol, IR Light	Pos KM, Luminol, IR Light
BX2PVE	Pos KM	Pos KM
C39FVY	Pos LMG, HemaTrace	Pos LMG, HemaTrace
C3LCYJ	Pos KM	Pos KM
C79QRY	Pos KM, HemaTrace	Pos KM, HemaTrace
C7MCYF	Pos Hemastix	Pos Hemastix
C84ATZ	Pos hHb	Pos hHb
CH2DVA	Pos KM	Pos KM
CK9PGG	Pos KM	Pos KM
CLKN8Y	Pos KM	Pos KM
CNAYYR	Pos KM, Hem	Pos KM, Hem
CNBWAM	Pos KM	Pos KM
CNRKHN	Pos KM	Pos KM
CPNZUL	Pos O-tol	Pos O-tol
CYLZ3J	Pos KM	Pos KM
CZMPWF	Pos KM	Pos KM, HemaTrace
D293LC	Pos KM, HemaTrace	Pos KM, HemaTrace
D3LRQA	Pos KM	Pos KM
D3MURT	Pos TMB	Pos TMB
D4EHWN	Pos KM	Pos KM
D9A39K	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
DAL24U	Pos IR, TMB	Pos IR, TMB
DF843J	Pos KM, HemaTrace	Pos KM, HemaTrace
DJV7GK	Pos IR, PHT	Pos IR, PHT
DLXBMD	Pos KM	Pos KM
DPH4YF	Pos O-tol	Pos O-tol, hmt
DPH7NK	Pos KM, HemaTrace	Pos KM, HemaTrace
DPZA4X	Pos IR, TMB	Pos IR, TMB
DQDLZG	Pos KM	Pos KM
DWCBFZ	Pos RSID Blood	Pos RSID Blood
DXDRPX	Pos LMG	Pos LMG
DY4YQL	Pos KM	Pos KM
E238FB	Pos KM; HemaTrace	Pos KM; HemaTrace
E72ARR	Pos LMG	Pos LMG
EBCMAQ	Pos TMB	Pos TMB
EFMMMGG	Pos LMG	Pos LMG
EKJ673	Pos LMG, HemaTrace	Pos LMG, HemaTrace
ENGBDX	Pos KM	Pos KM
ENKKLX	Pos KM, HB	Pos KM, HB
EUMURQ	Pos KM, Hem	Pos KM, Hem
EUQEFU	Pos KM, HemaTrace	Pos KM, HemaTrace
EX928Z	Pos Luminol, KM	Pos Luminol, KM
EZA96J	Pos HemaTrace	Pos HemaTrace
EZELWL	Pos TMB	Pos TMB
F3GQ2U	Pos KM, HemaTrace	Pos KM, HemaTrace
F4RTPD	Pos KM	Pos KM
F7WCWL	Pos KM	Pos TMB
F89ZA7	Pos KM	Pos KM
F8RUXM	Pos TMB	Pos PHT
FDED6P	Pos LMG	Pos LMG
FFLAEE	Pos KM	Pos KM
FNDH7X	Pos LMG	Pos LMG
FQZ7GX	Pos KM	Pos KM
FWMW28	Pos KM, TMB	Pos KM, TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
FX7QQN	Pos TMB	Pos TMB
FZH8JU	Pos LMG	Pos LMG
G3WTKT	Pos LMG	Pos LMG
G4QLAJ	Pos KM	Pos KM
G9YJQX	Pos LMG, HemaTrace	Pos LMG, HemaTrace
GE4YBK	Pos ppth, O-tol, hemdirect	Pos ppth, O-tol, hemdirect
GH4Q7X	Pos LMG	Pos LMG
GJZXYC	Pos KM	Pos KM, HemaTrace
GKTQUU	Pos TMB, IR	Pos TMB, IR
GNFX6W	Pos HD	Pos HD
GP777K	Pos KM	Pos KM
GTLBPU	Pos LMG, HemaTrace	Pos LMG, HemaTrace
GUE4KD	Pos KM	Pos KM
GUGA2T	Pos KM	Pos KM
GXLABL	Pos TMB	Pos TMB
GYBFBP	Pos KM, HemaTrace	Pos KM, HemaTrace
GYCKX8	Pos Hemastix	Pos Hemastix
GYWCWK	Pos TMB	Pos TMB
H37Y29	Pos KM	Pos KM
H3QFHB	Pos O-tol	Pos O-tol
H4MXF7	Pos KM	Pos KM
H6CGZ6	Pos KM	Pos KM
H6HWTP	Pos LMG	Pos LMG
H796UE	Pos PT	Pos PT
H7BKVZ	Pos KM	Pos KM
H7PQDB	Pos O-tol	Pos O-tol
H7PT3F	Pos KM, HemaTrace	Pos KM, HemaTrace
H8LAFC	Pos PTMB	Pos PTMB
HARRD9	Pos KM	Pos KM
HG984W	Pos RSID Blood	Pos RSID Blood
HHKZ6Q	Pos TMB	Pos TMB
HNQUYM	Pos TMB	Pos TMB
HPLABJ	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
HT6U8R	Pos KM	Pos KM
HUBVVQ	Pos Combur 3 Test E, SERATEC HemDirect	Pos Combur 3 Test E, SERATEC HemDirect
HUV6XK	Pos KM, HemDirect	Pos KM, HemDirect
HUZD9T	Pos KM	Pos KM
HV6PQA	Pos Hemastix	Pos Hemastix
HVQLAH	Pos KM	Pos KM
HVQNZL	Pos KM	Pos KM
HYNG3C	Pos O-tol	Pos O-tol
J9CRRX	Pos HemaTrace	Pos HemaTrace
J9CUG3	Pos KM	Pos KM
JB2CL9	Pos KM	Pos KM
JC7ECQ	Pos KM, HemaTrace	Pos KM, HemaTrace
JJAEVT	Pos KM	Pos KM
JL2UAQ	Pos KM, HemaTrace	Pos KM, HemaTrace
JLX8XH	Pos KM, HemaTrace	Pos KM, HemaTrace
JQW4GN	Pos LMG	Pos LMG
JRJANL	Pos TMB	Pos TMB
JRMCJC	Pos KM	Pos KM
JUBHNN	Pos KM, Hematace	Pos KM, Hematace
K4BXZR	Pos KM	Pos KM
K686QJ	Pos KM	Pos KM
K98DVU	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
KBU2AF	Pos KM	Pos KM
KC3NR9	Pos O-tol	Pos O-tol
KDY447	Pos KM, HemaTrace	Pos KM, HemaTrace
KLWUPF	Pos KM	Pos KM
KNZHDJ	Pos TMB	Pos TMB
KPRKT8	Pos KM	Pos KM
KRX7LD	Pos KM, HemaTrace	Pos KM, HemaTrace
L3XLXF	Pos KM	Pos KM
L3YTDA	Pos LMG	Pos LMG
LGW6G8	Pos HemaTrace	Pos HemaTrace
LMHV9A	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
LNEBK7	Pos KM	Pos KM
LQLQRC	Pos KM, HemaTrace	Pos KM, HemaTrace
LRG9TD	Pos KM, HemaTrace	Pos KM, HemaTrace
LTCBUG	Pos HemDirect	Pos HemDirect
LTUYZW	Pos KM	Pos KM
LU72ZV	Pos KM and Combur (TMB)	Pos KM and Combur (TMB)
LXJHZ7	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
LZ8DVR	Pos KM	Pos KM
M7AEK8	Pos KM	Pos KM
M9GJCB	Pos KM	Pos KM
MAD2A6	Pos Hemastix	Pos Hemastix
MDCC76	Pos Hemastix	Pos Hemastix
MFHV98	Pos PTMB	Pos PTMB
MM2YFA	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
MNCZ29	Pos LMG	Pos LMG
MY9473	Pos KM	Pos KM
N2F62E	Pos O-tol, HemDirect	Pos O-tol, HemDirect
N2WBEH	Pos KM, HemaTrace	Pos KM, HemaTrace
N4Z7XL	Pos KM, HemaTrace	Pos KM, HemaTrace
N8ZYPH	Pos TMB	Pos TMB
N9VHQJ	Pos TMB	Pos TMB
N9Z87V	Pos Hemastix, Takayama	Pos Hemastix, Takayama
NCFA3M	Pos KM, HemaTrace	Pos KM, HemaTrace
NFT8AA	Pos TMB	Pos TMB
NJDYLC	Pos KM, TMB	Pos KM, TMB
NK9HMD	Pos TMB	Pos TMB
NKPNYW	Pos KM, HemaTrace	Pos KM, HemaTrace
NRQX6P	Pos KM	Pos KM
NUEKN4	Pos KM	Pos KM
NVQRZQ	Pos Hemastix	Pos Hemastix
NWL8CM	Pos KM	Pos KM
NXCFDC	Pos KM	Pos KM
P6PR4H	Pos KM, Seratec HemDirect	Pos KM, Seratec HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
P6QNED	Pos KM	Pos KM
P83ENG	Pos LMG	Pos LMG
PBWPP3	Pos KM	Pos KM
PD4QKE	Pos KM	Pos KM
PK4KR9	Pos KM, IR	Pos KM, IR
PK4Z6L	Pos KM, HemaTrace	Pos KM, HemaTrace
PLY4TA	Pos TMB	Pos TMB
PQT8EZ	Pos KM	Pos KM
PU98KL	Pos KM	Pos KM
PURHAZ	Pos KM	Pos KM
PW2BMN	Pos LMG	Pos LMG
PXNAFC	Pos KM	Pos KM
PZGVHF	Pos TMB	Pos TMB
Q234WA	Pos KM	Pos KM
Q9LCFZ	Pos KM, HemaTrace	Pos KM, HemaTrace
Q9PW43	Pos O-tol, HemDirect	Pos O-tol, HemDirect
QC8JTL	Pos KM	Pos KM
QCMURE	Pos KM	Pos KM
QDLC2Q	Pos LMG	Pos LMG
QER3KQ	Pos KM	Pos KM
QF8L4G	Pos LMG	Pos LMG
QLDW2W	Pos HemaTrace	Pos HemaTrace
QPY4HP	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
QRHQ2J	Pos KM, HemaTrace	Pos KM, HemaTrace
QU9Y39	Pos KM, HemaTrace	Pos KM, HemaTrace
QV4Z2P	Pos Combur(TMB), KM	Pos Combur(TMB), KM
QVYTQG	Pos KM, HemaTrace	Pos KM, HemaTrace
QWUBTH	Pos KM, HemaTrace	Pos KM, HemaTrace
QX7XCH	Pos KM	Pos KM
QXP7M2	Pos KM	Pos KM
QZZYPG	Pos LMG	Pos LMG
R6723V	Pos KM, TMB	Pos KM, TMB
RABXMV	Pos KM, TMB	Pos KM, TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
RJLAPK	Pos LMG	Pos LMG
RMJ98H	Pos KM, HemaTrace	Pos KM, HemaTrace
RQNPNL	Pos KM	Pos KM
RU34W8	Pos KM, HemaTrace	Pos KM, HemaTrace
RUYLU3	Pos TMB, OBTI	Pos TMB, OBTI
RWVQXB	Pos LMG	Pos LMG
TABHPP	Pos KM	Pos KM
TB7Q88	Pos TMB	Pos TMB
TE9PHY	Pos KM	Pos KM, HemaTrace
TGDEK9	Pos LMG	Pos LMG
TMHVYF	Pos KM, HemDirect	Pos KM, HemDirect
TZ6FNX	Pos KM	Pos KM
TZ9XQ3	Pos LMG	Pos LMG
U47Q96	Pos TMB	Pos TMB
U6D97Z	Pos TMB	Pos TMB
UBGZMK	Pos KM	Pos KM
UE267F	Pos KM, HemaTrace	Pos KM, HemaTrace
UJY2X9	Pos KM	Pos KM
UK7Y3W	Pos KM	Pos KM
ULKAWV	Pos KM	Pos KM
UMXCU9	Pos KM	Pos KM
UMXEJD	Pos KM, Hemdirect	Pos KM, Hemdirect
UNP6CR	Pos KM, TMB	Pos KM, TMB
UP4WG9	Pos KM, Seratec	Pos KM, Seratec
UUGZNX	Pos KM, HemaTrace	Pos KM, HemaTrace
UVCJPY	Pos KM	Pos KM
UWJB9Z	Pos KM	Pos KM
UYCWB4	Pos IR, TMB	Pos IR, TMB
V3LJBL	Pos KM, HemaTrace	Pos KM, HemaTrace
V8WU4F	Pos LMG, HemaTrace	Pos LMG, HemaTrace
VBKUUX	Pos KM	Pos KM
VCCNGL	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
VJUUFDF	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
VN6L97	Pos KM, HemaTrace	Pos KM, HemaTrace
VPX3B8	Pos KM, Hem	Pos KM, Hem
VVMUW3	Pos KM, HemaTrace	Pos KM, HemaTrace
VYJLZT	Pos KM	Pos KM
VZE2DQ	Pos HemaTrace	Pos HemaTrace
W24F7D	Pos KM, HemaTrace	Pos KM, HemaTrace
W298BV	Pos KM	Pos KM
W2R4MV	Pos KM	Pos KM, HemaTrace
W4W28G	Pos KM	Pos KM
W8D2BJ	Pos IR Light, Luminol, KM	Pos IR Light, Luminol, KM
W99JDK	Pos LMG	Pos LMG
WEEFWK	Pos LMG	Pos LMG
WF9NV9	Pos KM	Pos KM
WGGBH9	Pos TMB	Pos TMB
WJNY9C	Pos LMG	Pos LMG, HemaTrace
WMNR4P	Pos O-tol, Seratec PMB	Pos O-tol, Seratec PMB
WPUT49	Pos LMG	Pos LMG
WUP4ZM	Pos KM, TMB	Pos KM, TMB
WZCQYY	Pos KM	Pos KM
X24ABJ	Pos KM, RSID	Pos KM, RSID
X7VJJW	Pos KM	Pos KM
XCZVEE	Pos KM	Pos KM
XH7ET8	Pos KM, HemDirect	Pos KM, HemDirect
XHBYGB	Pos KM, HemaTrace	Pos KM, HemaTrace
XHNZC6	Pos KM	Pos KM
XM3QL7	Pos TMB	Pos TMB
XMMWWA	Pos LMG	Pos LMG
XT9YUE	Pos KM	Pos KM
XX329V	Pos O-tol	Pos O-tol
XXZERG	Pos KM, RSID	Pos KM, RSID
Y3UUHF	Pos LMG, HemaTrace	Pos LMG, HemaTrace
Y4N779	Pos KM, HemaTrace	Pos KM, HemaTrace
Y6U7BU	Pos O-tol	Pos O-tol

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
YABYG9	Pos TMB	Pos TMB
YCK84U	Pos KM	Pos KM, HemaTrace
YGBQYX	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
YJ2GX3	Pos KM	Pos KM
YJXHVZ	Pos TMB, KM	Pos TMB, KM
YJZJM7	Pos O-tol	Pos O-tol
YN3RKB	Pos Bluestar Forensic tablets -OBTI	Pos Bluestar Forensic tablets-OBTI
YQCBXJ	Pos HemaTrace	Pos HemaTrace
YR9QAG	Pos LMG, HemaTrace	Pos LMG, HemaTrace
YR9TYK	Pos HemaTrace	Pos HemaTrace
YVRKBM	Pos KM	Pos KM
YVUZC8	Pos KM, HemDirect	Pos KM, HemDirect
Z2DXR2	Pos KM, HemaTrace	Pos KM, HemaTrace
Z46DDC	Pos KM	Pos KM
Z4L2LD	Pos LMG	Pos LMG
Z8F8UN	Pos KM	Pos KM
Z9CM7K	Pos ABACard HemaTrace	Pos ABACard HemaTrace
ZAQFC2	Pos KM	Pos KM
ZBEKER	Pos Hemastix	Pos Hemastix
ZBJ3DQ	Pos KM	Pos KM
ZBZJN6	Pos KM, Hem	Pos KM, Hem
ZE2Z89	Pos KM, HemaTrace	Pos KM, HemaTrace
ZFGPLZ	Pos KM	Pos KM
ZFH8GW	Pos IR, PHT	Pos IR, PHT
ZFT7EQ	Pos KM	Pos KM
ZFVQDM	Pos KM, TMB	Pos KM, TMB
ZMBPMR	Pos O-tol, HemaTrace	Pos O-tol
ZQXLB4	Pos KM	Pos KM
ZR3V4F	Pos KM	Pos KM
ZVULYU	Pos TMB	Pos TMB
ZWH7GJ	Pos KM, TMB	Pos KM, TMB
ZXXVVB	Pos KM, HemaTrace	Pos KM, HemaTrace
ZZ39AB	Pos IR, TMB	Pos IR, TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
ZZ6B62	Pos KM	Pos KM

Table 1a: Serology Screening Response Summary - Blood			Participants: 395
This summary table excludes the count of participants who did not report or reported "Not Tested" for Item 3 and/or Item 4. Therefore, participant total may not align with totals shown below.			
	Item 3	Item 4	
Positive	395	395	
Negative	0	0	
Inconclusive	0	0	

Serology Screening Results

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

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
22UYZ3	Pos AP, Micro	Neg AP
24YH8B	Pos PSA, Micro	Neg PSA
28Z8CJ	Pos Micro	Neg Micro
29ACNM	Pos Phosphatesmo, RSID Semen, PSA	Neg Phosphatesmo, RSID Semen, PSA
2CQHLH	Pos ALS, Micro	Neg ALS, Micro
2DPKFT	Pos AP, Micro	Neg AP, Micro
2M8ED8	Pos ALS, AP, Micro	Neg ALS, AP
2NLQ6K	Pos AP, Seratec PSA, PAM, Micro	Neg AP, Seratec PSA, PAM, Micro
2PHMRE	Pos AP, PSA	Neg AP
2UQKAE	Pos AP, PSA, Micro	Neg AP
2UTPUA	Pos Micro, PSA	Neg Micro, PSA
2VKWX8	Pos AP, Micro, ALS, PSA	Neg AP, Micro, ALS
2VN778	Pos ALS, AP, PSA, Micro	Neg ALS, AP
2ZWCGQ	Pos Micro, PSA	Neg PSA
34T64U	Pos ALS, AP, Micro	Neg ALS, AP
34UKC7	Pos Micro	Neg Micro
36QHMF	Pos RSID Semen, PSA, Phosphatesmo KM	Neg RSID Semen, PSA, Phosphatesmo
38WLC3	Pos AP, Micro	Neg AP, Micro
3AZ4QX	Pos BCIP, p30, SID	Neg BCIP
3BRW9G	Pos PSA, Micro	Neg PSA, Micro
3JLYCE	Pos AP, PSA, Micro	Neg AP
3K3XUH	Pos AP Press, PSA, Micro	Neg AP Press, PSA, Micro
3LDN8T	Pos AP, ALS, Micro	Neg AP, ALS
3MLA8E	Pos ALS, AP, Micro, PSA	Neg ALS, AP
3U4G77	Pos AP, PSA, Micro	Neg AP
3U9QA4	Pos ALS, AP, Micro, PSA	Neg ALS, AP
3VNFLA	Pos ALS, AP, Micro	Neg ALS, AP
3XNLP2	Pos ALS, AP, Micro	Neg ALS, AP
3ZVAF7	Pos ALS, AP, p30, Micro	Neg ALS, AP
42L9XV	Pos PSA, Micro	Neg PSA, Micro
4E8NYA	Pos p30	Neg p30
4J2HWB	Pos AP, PSA, Micro	Neg AP, PSA, Micro
4JZD98	Pos PSA, Micro	Neg PSA, Micro
4L9ZV8	Pos AP, PSA, Micro	Neg AP
4NEHVN	Pos AP, PSA	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
4RZV6R	Pos AP, PSA	Neg AP
4TP26V	Pos ALS, BCIP, p30, Micro	Neg ALS, BCIP
4VXLZ6	Pos AP, PSA, Micro	Neg AP
4W9W73	Pos AP, Micro	Neg AP
4YHWB9	Pos AP, PSA, Micro	Neg AP, PSA, Micro
67ABGL	Pos ALS, AP, p30, Micro	Neg ALS, AP, p30, Micro
6BQHZE	Pos AP, ALS	Neg AP
6DWKZX	Pos AP, p30, Micro, ALS	Neg AP, ALS
6EPUWE	Pos AP	Neg AP
6HLL3Q	Pos AP, Micro	Neg AP, Micro
6PNLPY	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
6PR6D3	Pos ALS, AP, Micro	Neg ALS, AP
6VUEJV	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
74HP6A	Pos AP	Neg AP
7864XQ	Pos ALS, AP, PSA, Micro	Neg ALS, AP
79YU46	Pos ALS, AP, Micro, PSA	Neg ALS, AP
7B3TCC	Pos AP, PSA, Micro	Neg AP
7EJZUK	Pos ALS, AP, Micro	Neg ALS, AP, Micro
7G7RPM	Pos ALS, AP, Micro	Neg ALS, AP, Micro
7LJA86	Pos AP, Seratec, Micro	Neg AP, Seratec
7MFT97	Pos ALS, AP, Micro, PSA	Neg ALS, AP
7T2RHR	Pos ALS, AP, Micro	Neg ALS, AP
7Z4KLZ	Pos AP, Micro	Neg AP, Micro
7Z4R2U	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
7ZXCBR	Pos ALS, AP, PSA, Micro	Neg ALS, AP
82EJG9	Pos AP, PSA & Micro	Neg AP
86AUE9	Pos AP, PSA, Micro, ALS	Neg AP, PSA, Micro, ALS
86TP4P	Pos ALS, AP, Micro	Neg ALS, AP
87N86Q	Pos ALS, AP, Micro	Neg ALS, AP
88XJK8	Pos ALS, AP, Micro	Neg ALS, AP
89TZX6	Pos ALS, AP, Micro, PSA	Neg ALS, AP
8CVFDZ	Pos AP, Micro	Neg AP
8EE2U9	Pos AP, Micro	NT
8EYTRZ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
8EZFHL	Pos AP	Neg AP
8FBH77	Pos AP, Micro	Neg AP
8K48F3	Pos PSA, Micro	Neg PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
8LZMRZ	Pos AP, Micro	Neg AP
8MAVD2	Pos ALS, AP, PSA, Micro	Neg ALS, AP
8NZ4C4	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
8PEPNQ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
8R84A2	Pos Micro	Neg Micro
8T4R3R	Pos ALS, AP, Micro, PSA	Neg ALS, AP
8WG8CW	Pos AP, Micro	Neg AP
8WYTVT	Pos PSA	Neg PSA
8ZXPFY	Pos ALS, AP, Micro, p30	Neg ALS, AP, Micro
92NPV4	Pos AP, Micro	Neg AP
93KYEL	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
98FH64	Pos PSA, Micro	Neg PSA
9EYLC7	Pos AP, Micro	Neg AP
9F6MZ6	Pos RSID-Semen	Neg RSID-Semen
9KWRU9	Pos AP, Micro, PSA	Neg AP
9QBNX4	Pos ALS, AP, Micro	Neg ALS, AP
9TE2JQ	Pos AP, Micro, PSA	Neg AP, Micro, PSA
9VHYQD	Pos AP, Micro	Neg AP
9XLUAF	Pos Seratec	Neg Seratec
A2N34H	Pos PSA	Neg PSA
A93XUK	Pos AP, Micro	Neg AP, Micro
ABA7AW	Pos ALS, AP, PSA, Micro	Neg ALS, AP
ADD2TZ	Pos AP, Seratec, Micro	Neg AP, Seratec, Micro
AFK7HG	Pos ALS, AP, Micro	Neg ALS
AGGLVE	Pos AP, Micro, p30	Neg AP
AHQ8HY	Pos AP, Micro	Neg AP, Micro
AJMMUW	Pos AP, Micro	Neg AP, Micro
ATRH6N	Pos ALS, AP, PSA, Micro	Neg ALS, AP
AU2Y99	Pos ALS, AP, PSA, Micro	Neg ALS, AP
B3UCKY	Pos ALS, AP, Micro	Neg ALS, AP
B7UVT	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
BL6LME	Pos AP, Micro	Neg AP, Micro
BMJ4R6	Pos AP, Micro, PSA	Neg AP
BRT9J6	Pos AP, PSA, Micro	Neg AP, PSA, Micro
BW68Y6	Pos ALS, STMP, Micro	Neg ALS, STMP, Micro
BX2PVE	Pos AP, Micro	Neg AP, Micro
C39FVY	Pos AP, PSA, Micro	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
C3LCYJ	Pos AP, Micro	Neg AP, Micro
C79QRY	Pos AP, PSA, Micro	Neg AP, PSA, Micro
C7MCYF	Pos AP	Neg AP
C84ATZ	Pos PSA	Neg PSA
CH2DVA	Pos AP, Micro, PSA	Neg AP
CK9PGG	Pos AP, Micro	Neg AP, Micro
CLKN8Y	Pos ALS, AP, Micro	Neg ALS, AP
CNAYYR	Pos AP, Micro	Neg AP
CNBWAM	Pos BCIP, p30, Micro	Neg BCIP
CNRKHN	Pos AP, Micro	Neg AP
CPNZUL	Pos AP, Micro, ALS	Neg AP, ALS
CYLZ3J	Pos AP, Micro	Neg AP, Micro
CZMPWF	Pos AP, Micro	Neg AP
D293LC	Pos ALS, AP, Microscopy	Neg ALS, AP, Microscopy
D3LRQA	Pos AP, PSA, Micro	Neg AP
D3MURT	Pos ALS, AP, PSA, KPIC	Neg ALS, AP
D4EHWN	Pos AP, PSA	Neg AP
D6VENN	Pos PSA	Neg PSA
D9A39K	Pos ALS, AP, Micro	Neg ALS, AP
DAL24U	Pos ALS, AP, Micro, PSA	Neg ALS, AP
DF843J	Pos p30, Micro	Neg p30
DJV7GK	Pos ALS, AP, Micro	Neg ALS, AP
DLXBMD	Pos AP, PSA, Micro, ALS	Neg AP, PSA, Micro, ALS
DPH4YF	Pos AP, PSA	Neg AP
DPH7NK	Pos AP, Micro	Neg AP
DPZA4X	Pos ALS, AP, Micro, PSA	Neg ALS, AP
DQDLZG	Pos AP, Micro	Neg AP, Micro
DWCBFZ	Pos RSID Semen	Neg RSID Semen
DXDRPX	Pos ALS, AP, PSA	Neg ALS, AP
DY4YQL	Pos ALS, AP, PSA, Micro	Neg ALS, AP
E238FB	Pos ALS; AP; Micro	Neg ALS; AP; Micro
E72ARR	Pos ALS, AP, PSA, Micro	Neg ALS, AP
EBCMAQ	Pos AP, p30, Micro, ALS	Neg ALS, AP
EFMMMGG	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
EKJ673	Pos AP, Micro, PSA	Neg AP, Micro
ENGBDX	Pos ALS, AP, Micro	Neg ALS, AP
ENKKLX	Pos AP, Micro, PSA	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
EUMURQ	Pos AP, Micro	Neg AP
EUQEFU	Pos AP, PSA, Micro	Neg AP, PSA, Micro
EX928Z	Pos ALS, AP, Micro	Neg ALS, AP, Micro
EZA96J	Pos p30, Micro	Neg p30, Micro
EZELWL	Pos ALS, AP, Micro, PSA	Neg ALS, AP
F3GQ2U	Pos AP, PSA, Micro	Neg AP
F4RTPD	Pos AP, Micro	Neg AP, Micro
F7WCWL	Pos AP, ALS, PSA, Micro	Neg AP, ALS, PSA, Micro
F89ZA7	Pos AP, Micro, ALS	Neg AP, ALS
F8RUXM	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
FDED6P	Pos AP, Micro, ALS	Neg AP, Micro, ALS
FFLAEE	Pos ALS, Micro	Neg ALS, Micro, PSA
FNDH7X	Pos AP, Micro, PSA	Neg AP
FQZ7GX	Pos AP, Micro	Neg AP
FWMW28	Pos AP	Neg AP
FX7QQN	Pos ALS, AP, PSA, Micro	Neg ALS, AP
FZH8JU	Pos PSA	Neg PSA
G3WTKT	Pos Micro	Neg Micro
G4QLAJ	Pos ALS, AP, Micro	Neg ALS, AP, Micro
G9YJQX	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GE4YBK	Pos AP, Micro	Neg AP, p30
GH4Q7X	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GJZYXC	Pos AP, Micro, PSA	Neg AP
GKTQUU	Pos ALS, AP, Micro, PSA	Neg ALS, AP
GNFX6W	Pos PSA, Micro	Neg PSA
GTLBPU	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GUE4KD	Pos PSA	Neg PSA
GUGA2T	Pos ALS, AP, Micro	Neg ALS, AP
GXLABL	Pos ALS, AP, p30, Micro	Neg ALS, AP
GYBFBP	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GYCKX8	Pos AP	Neg AP
GYWCWK	Pos ALS, AP, Micro, PSA	Neg ALS, AP
H37Y29	Pos AP, Micro	Neg AP, p30, Micro
H3QFHB	Pos AP, PSA	Neg AP, PSA
H4MXF7	Pos Seratec PSA	Neg Seratec PSA
H6CGZ6	Pos AP, Micro	Neg AP, p30, Micro
H6HWTP	Pos ALS, AP, PSA	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
H796UE	Pos p30, Micro	Neg p30, Micro
H7PQDB	Pos AP, ALS	Neg AP, ALS
H7PT3F	Pos AP, Micro	Neg AP
H8LAFC	Pos AP, Micro	Neg AP
HARRD9	Pos AP, Micro, PSA	Neg AP, Micro, PSA
HG984W	Pos RSID Semen	Neg RSID Semen
HHKZ6Q	Pos ALS, AP, Micro	Neg ALS, AP
HNQUYM	Pos ALS, AP, Micro, PSA	Neg ALS, AP
HPLABJ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
HT6U8R	Pos ALS, AP, Micro	Neg ALS, AP
HUBVVQ	Pos Phosphatesmo KM, SERATEC PSA Semiquant	Neg Phosphatesmo KM, SERATEC PSA Semiquant
HUV6XK	Pos AP, Micro	Neg AP
HUZD9T	Pos AP, Micro	Neg AP
HV6PQA	Pos AP	Neg AP
HVQLAH	Pos ALS, AP, PSA, Micro	Neg ALS, AP
HYNG3C	Pos AP, Micro, PSA, ALS	Neg AP, ALS
J9CRRX	Pos PSA	Neg PSA
J9CUG3	Pos ALS, AP, Micro	Neg ALS, AP
JB2CL9	Pos Micro, PSA	Neg Micro, PSA
JC7ECQ	Pos AP, PSA, Micro	Neg AP, PSA, Micro
JJAEVT	Pos AP, Micro	Neg AP
JL2UAQ	Pos AP, PSA, Micro	Neg AP
JLX8XH	Pos p30, Micro - Sperm search	Neg p30
JQW4GN	Pos ALS, AP, PSA	Neg ALS, AP
JRJANL	Pos ALS, AP, Micro	Neg ALS, AP
JRMCJC	Pos AP, PSA, Micro	Neg AP
JUBHNN	Pos AP, Micro, PSA	Neg AP
K4BXZR	Pos Micro, PSA	Neg Micro, PSA
K686QJ	Pos AP, PSA, Micro	Neg AP, PSA, Micro
K98DVU	Pos p30, Microscopic, AP	Neg AP, Microscopic
KBU2AF	Pos AP, p30, Micro	Neg AP
KC3NR9	Pos AP	Neg AP
KDY447	Pos ALS, AP, Micro	Neg ALS, AP, Micro
KLWUPF	Pos AP, p30, Micro	Neg AP
KNZHDJ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
KPRKT8	Pos AP, Micro, ALS	Neg AP, ALS
KRX7LD	Pos AP, PSA, Micro	Neg AP, PSA

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
L3XLXF	Pos ALS, AP, Micro	Neg ALS, AP, Micro
L3YTDA	Pos AP, PSA	Neg AP
LGW6G8	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
LMHV9A	Pos ALS, Micro	Neg ALS, Micro, PSA
LNEBK7	Pos AP, ALS, Micro	Neg AP, ALS, Micro
LQLQRC	Pos AP, Micro	Neg AP
LRG9TD	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
LTCBUG	Pos AP	Neg AP
LU72ZV	Pos AP, PSA, and Micro	Neg AP and PSA
LXJHZ7	Pos AP, PSA	Neg AP, PSA
LZ8DVR	Pos ALS, AP, Micro	Neg ALS, AP
M7AEK8	Pos AP, Micro, PSA	Neg AP, PSA
M9GJCB	Pos ALS, Micro	Neg ALS, Micro, PSA
MAD2A6	Pos AP	Neg AP
MDCC76	Pos AP	Neg AP
MFHV98	Pos AP, Micro	Neg AP
MM2YFA	Pos AP, PSA	Neg AP, PSA
MNCZ29	Pos AP, PSA	Neg AP, PSA
MY9473	Pos AP, Micro	Neg AP, Micro
N2F62E	Pos ALS, AP, PSA	Neg ALS, AP
N2WBEH	Pos AP, PSA, Micro	Neg AP, PSA, Micro
N4Z7XL	Pos AP, Micro, PSA	Neg AP, Micro, PSA
N8ZYPH	Pos ALS, AP, Micro	Neg ALS, AP
N9VHQJ	Pos ALS, AP, Micro	Neg ALS, AP
N9Z87V	Pos AP, Micro	Neg AP, Micro
NCFA3M	Pos AP, Seratec, Micro	Neg AP, Seratec
NFT8AA	Pos ALS, AP, Micro, PSA	Neg ALS, AP
NJDYLC	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
NK9HMD	Pos ALS, AP, Micro, PSA	Neg ALS, AP
NKPNYW	Pos PSA, Micro	Neg PSA, Micro
NRQX6P	Pos AP, Micro	Neg AP
NUEKN4	Pos AP, Micro	Neg AP, Micro, PSA
NVQRZQ	Pos ALS, AP, RSID Semen, Micro	Neg ALS, AP, RSID Semen, Micro
NWL8CM	Pos AP, Micro	Neg AP
NXCFDC	Pos BCIP, Micro	Neg BCIP
P6PR4H	Pos AP, Micro	Neg AP
P6QNED	Pos BCIP, Micro, p30	Neg BCIP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
P83ENG	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
PBWPP3	Pos AP, Micro	Neg AP, Micro
PK4KR9	Pos ALS, AP, Micro	Neg ALS, AP
PK4Z6L	Pos AP, PSA, Micro	Neg AP, PSA, Micro
PLY4TA	Pos ALS, AP, Micro, PSA	Neg ALS, AP
PQT8EZ	Pos AP, Micro	Neg AP, Micro
PU98KL	Pos Micro, PSA	Neg Micro, PSA
PURHAZ	Pos AP, Micro	Neg AP, Micro
PW2BMN	Pos AP, Micro, ALS	Neg AP, Micro, ALS
PXNAFC	Pos AP, PSA, Micro	Neg AP
PZGVHF	Pos ALS, AP, Micro	Neg ALS, AP
Q234WA	Pos AP, PSA, Micro	Neg AP, PSA, Micro
Q9LCFZ	Pos AP, Micro	Neg AP, Micro
Q9PW43	Pos AP, Micro, PSA	Neg AP, Micro
QC8JTL	Pos PSA, Micro	Neg PSA, Micro
QCMURE	Pos AP, Micro	Neg AP, Micro
QDLC2Q	Pos AP, Micro, PSA	Neg AP
QER3KQ	Pos ALS, AP, Micro, PSA	Neg ALS, AP
QF8L4G	Pos ALS, AP, PSA	Neg ALS, AP
QLDW2W	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
QPY4HP	Pos PSA, AP, Micro	Neg PSA, AP
QRHQ2J	Pos AP, Seratec, Micro	Neg AP, Seratec
QU9Y39	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA
QV4Z2P	Pos PSA, Micro, AP	Neg AP
QVYTQG	Pos AP, PSA, Micro	Neg AP, PSA, Micro
QWUBTH	Pos AP, PSA, Micro	Neg AP, PSA, Micro
QX7XCH	Pos ALS, AP, Micro	Neg ALS, AP
QXP7M2	Pos ALS, AP, Micro	Neg ALS, AP
QZZYPG	Pos ALS, AP, PSA, Micro	Neg ALS, AP
R6723V	Pos AP	Neg AP
RABXMV	Pos AP	Neg AP
RJLAPK	Pos AP, Micro, PSA	Neg AP
RMJ98H	Pos AP, PSA, Micro	Neg AP, PSA, Micro
RQNPNL	Pos ALS, AP, Micro	Neg ALS, AP
RU34W8	Pos AP, PSA, Micro	Neg AP, PSA, Micro
RUYLU3	Pos PSA	Neg PSA
RWVQXB	Pos ALS, AP, Micro, PSA	Neg ALS, AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
TABHPP	Pos ALS, AP, Micro, PSA	Neg ALS, AP
TB7Q88	Pos ALS, AP, p30, Micro	Neg ALS, AP, Micro
TE9PHY	Pos AP, PSA, Micro	Neg AP
TGDEK9	Pos AP, ALS, Micro, PSA	Neg AP, ALS
TMHVYF	Pos AP, Micro, PSA	Neg AP
TZ6FNX	Pos ALS, AP, Micro	Neg ALS, AP
TZ9XQ3	Pos AP, PSA	Neg AP
U47Q96	Pos ALS, AP, PSA, Micro	Neg ALS, AP
U6D97Z	Pos ALS, AP, Micro	Neg ALS, AP
UBGZMK	Pos AP	Neg AP
UE267F	Pos AP, Seratec, Micro	Neg AP, Seratec
UJY2X9	Pos BCIP, p30, Micro	Neg BCIP
UK7Y3W	Pos AP, p30	Neg AP
ULKAWV	Pos AP, Micro, p30	Neg AP, Micro, p30
UMXCU9	Pos ALS, AP, Micro	Neg ALS, AP, Micro
UMXEJD	Pos AP, Micro	Neg AP
UNP6CR	Pos AP	Neg AP
UP4WG9	Pos AP, Micro	Neg AP
UUGZNX	Pos AP, Micro, PSA	Neg AP, Micro, PSA
UVCJPY	Pos AP, PSA, Micro	Neg AP
UWJB9Z	Pos AP, Micro, p30	Neg AP, Micro
UYCWB4	Pos ALS, AP, Micro	Neg ALS, AP
V3LJBL	Pos PSA, Micro	Neg PSA, Micro
V8WU4F	Pos Micro, PSA	Neg Micro, PSA
VBKUUX	Pos PSA	Neg PSA
VCCNGL	Pos AP, PSA, Micro	Neg AP, PSA
VJUUDF	Pos ALS, AP, Micro, PSA	Neg ALS, AP
VN6L97	Pos TMP, PSA, Micro	Neg TMP, PSA
VPX3B8	Pos AP, Micro	Neg AP
VVMUW3	Pos AP, PSA, Micro	Neg AP, PSA
VYJLZT	Pos PSA	Neg PSA
VZE2DQ	Pos Micro	Neg Micro
W24F7D	Pos AP, PSA, Micro	Neg AP, PSA, Micro
W298BV	Pos AP, Micro	Neg AP, Micro
W2R4MV	Pos AP, Micro, PSA	Neg AP
W4W28G	Pos ALS, AP, Micro	Neg ALS, AP
W8D2BJ	Pos ALS, AP, Micro	Neg ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
W99JDK	Pos AP, Micro, PSA	Neg AP
WEEFWK	Pos AP, Micro, PSA	Neg AP
WF9NV9	Pos AP, Micro, ALS	Neg AP, Micro, ALS
WGGBH9	Pos ALS, AP, Micro	Neg ALS, AP
WJNY9C	Pos AP, Micro, p30, ALS	Neg AP, ALS
WMNR4P	Pos AP, Seratec PSA, Micro	Neg AP, Seratec PSA, Micro
WPUT49	Pos AP, Micro	Neg AP
WUP4ZM	Pos AP	Neg AP
WZCQYY	Pos ALS, Micro	Neg ALS, Micro, p30
X24ABJ	Pos ALS, AP, RSID, Micro	Neg ALS, AP, RSID
X7VJJW	Pos AP, Micro	Neg AP, Micro
XCZVEE	Pos ALS, AP, Micro	Neg ALS, AP
XH7ET8	Pos AP, Micro	Neg AP
XHBYGB	Pos AP, PSA, Micro	Neg AP, PSA, Micro
XHNZC6	Pos AP, Micro	Neg AP
XM3QL7	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
XMMWWA	Pos ALS, Micro	Neg Micro
XT9YUE	Pos Micro, PSA	Neg Micro, PSA
XX329V	Pos AP, PSA	Neg AP, PSA
XXZERG	Pos ALS, AP, RSID, Micro	Neg ALS, AP
Y3UUHF	Pos AP, PSA, Micro	Neg AP, PSA, Micro
Y4N779	Pos AP, PSA, Micro	Neg AP, PSA, Micro
Y6U7BU	Pos AP, Micro	Neg AP
YABYG9	Pos ALS, AP, PSA, Micro	Neg ALS, AP
YCK84U	Pos AP, PSA, Micro	Neg AP
YGBQYX	Pos PSA, AP, Micro	Neg PSA, AP, Micro
YJXHVZ	Pos ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
YJZJM7	Pos AP, Micro	Neg AP
YN3RKB	Pos Forensic light source- PSA-Micro	Neg Forensic light source- PSA-Micro
YQCBXJ	Pos p30, Microscope	Neg p30, Microscope
YR9QAG	Pos AP, PSA, Micro	Neg AP, PSA, Micro
YR9TYK	Pos PSA, Micro	Neg PSA, Micro
YVRKBM	Pos AP, Micro	Neg AP
YVUZC8	Pos AP, Micro	Neg AP
Z2DXR2	Pos p30, Micro	Neg p30, Micro
Z46DDC	Pos AP, Micro	Neg AP
Z4L2LD	Pos AP, Micro, PSA	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
Z8F8UN	Pos Seratec	Neg Seratec
Z9CM7K	Pos ALS, Micro	Neg ALS, Micro
ZBEKER	Pos AP	Neg AP
ZBJ3DQ	Pos AP, Micro, ALS	Neg AP, ALS
ZBZJN6	Pos AP, Micro	Neg AP
ZE2Z89	Pos AP, Micro, PSA	Neg AP
ZFGPLZ	Pos ALS, AP, PSA, Micro	Neg ALS, AP
ZFH8GW	Pos ALS, AP, Micro	Neg ALS, AP
ZFT7EQ	Pos AP, Micro, PSA	Neg AP
ZFVQDM	Pos AP	Neg AP
ZMBPMR	Pos AP, PSA	Neg AP
ZR3V4F	Pos AP, Micro	Neg AP
ZVULYU	Pos ALS, AP, Micro	Neg ALS, AP
ZWH7GJ	Pos AP	Neg AP
ZXXVVB	Pos AP, PSA, Micro	Neg AP, PSA, Micro
ZZ39AB	Pos ALS, AP, Micro, PSA	Neg ALS, AP
ZZ6B62	Pos AP, PSA, Micro	Neg AP

Table 1b: Serology Screening Response Summary - Semen			Participants: 385
This summary table excludes the count of participants who did not report or reported "Not Tested" for Item 3 and/or Item 4. Therefore, participant total may not align with totals shown below.			
	Item 3	Item 4	
Positive	385	0	
Negative	0	384	
Inconclusive	0	0	

Serology Screening Results

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

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
2NLQ6K	Neg Seratec Amylase, PAM	Neg Seratec Amylase, PAM
2PHMRE	Neg Phadebas Press	Neg Phadebas Press
2ZWCGQ	Neg RSID	Neg RSID
36QHMF	Neg RSID Saliva	Neg RSID Saliva
38WLC3	Neg RSID	Neg RSID
3BRW9G	Neg RSID	Neg RSID
3K3XUH	Neg Phadebas	Neg Phadebas
4RZV6R	Neg RSID	NT
7G7RPM	Neg ALS, RSID Saliva	Neg ALS, RSID Saliva
7Z4KLZ	Neg RSID	Neg RSID
82EJG9	Neg Phadebas	Neg Phadebas
8WYTVT	Neg RSID	Neg RSID
93KYEL	Neg ALS, Phadebas	Neg ALS, Phadebas
9TE2JQ	Neg Phadebas	Neg Phadebas
AJMMUW	Neg RSID	Neg RSID
BW68Y6	Neg Amylase Diffusion	Neg Amylase Diffusion
CNRKHN	Neg RSID	NT
CZMPWF	Neg RSID	NT
D4EHWN	Neg RSID-Saliva	NT
D6VENN	Neg RSID	Neg RSID
DPH7NK	Neg RSID	Neg RSID
DWCBFZ	Neg RSID Saliva	Neg RSID Saliva
EX928Z	Neg Amylase Diffusion	Neg Amylase Diffusion
EZA96J	Neg RSID	Neg RSID
GJZXYC	Neg Phadebas, RSID Saliva	Neg Phadebas, RSID Saliva
HG984W	Neg RSID Saliva	Neg RSID Saliva
HUBVVQ	Neg Phadebas, SERATEC Amylase Test	Neg Phadebas, SERATEC Amylase Test
J9CRRX	Neg RSID	Neg RSID
K686QJ	Neg Amylase Diffusion plate	Neg Amylase Diffusion plate
KLWUPF	Neg RSID	NT
L3XLXF	Neg ALS, Phadebas	Neg ALS, Phadebas
L3YTDA	Neg RSID-Saliva	Neg RSID-Saliva

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
LRG9TD	Neg Amylase test	Neg Amylase test
LU72ZV	Neg Phadebas	Neg Phadebas
M7AEK8	Neg RSID	Neg RSID
MNCZ29	Neg RSID	Neg RSID
NKPNYW	Neg RSID	Neg RSID
NUEKN4	Neg RSID	NT
PXNAFC	Neg RSID	NT
Q234WA	Neg RSID	Neg RSID
QCMURE	Neg RSID	Neg RSID
QPY4HP	Neg Phadebas	Neg Phadebas
QU9Y39	Neg Amylase	Neg Amylase
QV4Z2P	Neg Phadebas	Neg Phadebas
RU34W8	Neg Amylase	Neg Amylase
RUYLU3	Neg Phadebas	Neg Phadebas
TE9PHY	Neg Phadebas	Neg Phadebas
TZ9XQ3	Neg RSID	Neg RSID
UK7Y3W	Neg RSID Saliva	NT
UUGZNX	Neg RSID	Neg RSID
UVCJPY	Neg RSID	NT
V3LJBL	Neg RSID	Neg RSID
VBKUUX	Neg RSID	Neg RSID
VCCNGL	Neg Phadebas	Neg Phadebas
W2R4MV	Neg RSID Saliva	Neg RSID Saliva
W8D2BJ	Neg Amylase Diffusion	Neg Amylase Diffusion
WF9NV9	Neg RSID	Neg RSID
WMNR4P	Neg Seratec Amylase	Neg Seratec Amylase
X24ABJ	Neg ALS, RSID	Neg ALS, RSID
XHNZC6	Neg RSID	Neg RSID
XXZERG	Neg ALS, RSID	Neg ALS, RSID
YCK84U	Neg RSID Saliva	Neg RSID Saliva
YR9TYK	Neg RSID	Neg RSID
Z2DXR2	Neg RSID Saliva	Neg RSID Saliva
ZFT7EQ	Neg RSID	NT
ZR3V4F	Neg Phadebas	Neg Phadebas

Table 1c: Serology Screening Response Summary - SalivaParticipants: **66**

This summary table excludes the count of participants who did not report or reported "Not Tested" for Item 3 and/or Item 4. Therefore, participant total may not align with totals shown below.

	Item 3	Item 4
Positive	0	0
Negative	66	56
Inconclusive	0	0

Serology Screening Results

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

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
22UYZ3	Pos PCR	Pos PCR
24YH8B	Pos HemDirect	Pos HemDirect
2NLQ6K	Pos Seratec PMB	Pos Seratec PMB
2PHMRE	Pos ABACard HemaTrace, Plexor HY	Pos Plexor HY
2VKWX8	NT	Pos HemaTrace
2ZWCGQ	Pos PowerQuant	Pos PowerQuant
376CH2	Pos PCR	Pos PCR
3K3XUH	Pos ABACard HT	Pos ABACard HT
4NEHVN	Pos RSID-HT	
4RZV6R	Pos PowerQuant	Pos PowerQuant
4YHWB9	Pos HemDirect	Pos HemDirect
82EJG9	Pos Quant Trio	Pos Quant Trio
86AUE9	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
88XJK8	Pos HemDirect	NT
8CVFDZ	Pos PCR	Pos PCR
8LZMRZ	Pos PCR	Pos PCR
8WG8CW	Pos PCR	Pos PCR
8WYTVT	Pos PowerQuant	Pos PowerQuant
8ZXPFY	Pos HemaTrace	NT
98FH64	Pos HD	Pos HD
9F6MZ6	Pos PowerPlex Fusion5C & Y23	Pos PowerPlex Fusion5C & Y23
9TE2JQ	Pos Quantifiler Trio	Pos Quantifiler Trio
A2N34H	Pos PowerQuant	Pos PowerQuant
BRT9J6	Pos Quant TRIO, HemaTrace	Pos Quant TRIO, HemaTrace
BW68Y6	Pos HemDirect	NT
CNAYYR	Pos PCR	Pos PCR
CNRKHN	Pos Power Quant	Pos Power Quant
CZMPWF	Pos PowerQuant	Pos HemaTrace, PowerQuant

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
D4EHWN	Pos PowerQuant	Pos PowerQuant
D6VENN	Pos PowerQuant	Pos PowerQuant
DPH4YF		Pos hmt
DQDLZG	NT	Pos HemaTrace
DWCBFZ	Pos	Pos
EUMURQ	Pos PCR	Pos PCR
EX928Z	Pos HemDirect	NT
G4QLAJ	Pos QuantTrio	Pos QuantTrio
GH4Q7X	Pos Quant Trio	Pos Quant Trio
GJZYXC	Pos PowerQuant	Pos PowerQuant
GNFX6W	Pos HD	Pos HD
H3QFHB	Pos HemaTrace	Pos HemaTrace
HUV6XK	Pos PCR	Pos PCR
JB2CL9	Pos PowerQuant	Pos PowerQuant
JQW4GN	Pos RSID-Blood	Pos RSID-Blood
K98DVU	Pos HemaTrace	Pos HemaTrace
KLWUPF	Pos PowerQuant	Pos PowerQuant
L3XLXF	Pos Quantifiler Trio	Pos Quantifiler Trio
LRG9TD	Pos HemaTrace	Pos HemaTrace
LU72ZV	Pos Quant Trio	Pos Quant Trio
LXJHZ7	Pos HemaTrace, PSA	Pos HemaTrace
M7AEK8	Pos PowerQuant	Pos PowerQuant
NUEKN4	Pos PowerQuant	Pos PowerQuant
NVQRZQ	Pos RSID Blood	Pos RSID Blood
P6PR4H	Pos PCR	Pos PCR
PXNAFC	Pos Powerquant	Pos Powerquant
Q234WA	Pos PowerQuant	Pos PowerQuant
QPY4HP	Pos Quantifiler Trio	Pos Quantifiler Trio
QV4Z2P	Pos Quant Trio	Pos Quant Trio
RUYLU3	Pos PowerQuant	Pos PowerQuant

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
TE9PHY	Pos PowerQuant	Pos HemaTrace, PowerQuant
UK7Y3W	Pos Powerquant	Pos Powerquant
UMXCU9	Pos Quant Trio	Pos Quant Trio
UMXEJD	Pos PCR	Pos PCR
UP4WG9	Pos PCR	Pos PCR
UUGZNX	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
UVCJPY	Pos Quant	Pos Quant
VBKUUX	Pos PowerQuant	Pos PowerQuant
VCCNGL	Pos Quant Trio	Pos Quant Trio
VPX3B8	Pos PCR	Pos PCR
W2R4MV	Pos PowerQuant	Pos PowerQuant
W8D2BJ	NT	Pos HemDirect
WJNY9C	NT	Pos HemaTrace
WMNR4P	Pos Seratec PMB	Pos Seratec PMB
X24ABJ	Pos RSID	Pos RSID
XH7ET8	Pos PCR	Pos PCR
XHNZC6	Pos Powerquant	Pos Powerquant
XX329V	Pos HemaTrace	Pos HemaTrace
XXZERG	Pos RSID	Pos RSID
YCK84U	Pos PowerQuant	Pos PowerQuant, HemaTrace
YGBQYX	Pos HemaTrace	Pos HemaTrace
YN3RKB	Pos OBTI	Pos OBTI
YR9QAG	Pos HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
YVUZC8	Pos PCR	Pos PCR
ZBZJN6	Pos PCR	Pos PCR
ZFT7EQ	Pos PowerQuant	Pos PowerQuant
ZR3V4F	Pos qPCR	Pos qPCR

Table 1d: Serology Screening Response Summary - Human OriginParticipants: **85**

This summary table excludes the count of participants who did not report or reported "Not Tested" for Item 3 and/or Item 4. Therefore, participant total may not align with totals shown below.

	Item 3	Item 4
Positive	80	80
Negative	0	0
Inconclusive	0	0

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
22UYZ3	Pos PCR	Neg PCR
2PHMRE	Pos Plexor HY	Neg Plexor HY
2VKWX8	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
34UKC7	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
376CH2	Pos PCR	Neg PCR
3BRW9G	Pos PowerQuant	Neg PowerQuant
3ZVAF7	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
4E8NYA	Pos Q-TRIO QUANTIFILER	
82EJG9	Pos Quant Trio	Neg Quant Trio
86AUE9	Pos Quant Trio	Neg Quant Trio
8CVFDZ	Pos PCR	Neg PCR
8LZMRZ	Pos PCR	Neg PCR
8R84A2	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
8WG8CW	Pos PCR	Neg PCR
8ZXPFY	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
9F6MZ6	Pos PowerPlex Y23	Pos PowerPlex Y23
9TE2JQ	Pos Quantifiler Trio	Neg Quantifiler Trio
BRT9J6	Pos Quant TRIO	Neg Quant TRIO
CNAYYR	Pos PCR	Neg PCR
D3MURT	Pos	NT
EKJ673	Pos Quant Trio	Neg Quant Trio
EUMURQ	Pos PCR	Neg PCR
FDED6P	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
G3WTKT	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
GH4Q7X	Pos Quant Trio	Neg Quant Trio
HUV6XK	Pos PCR	Neg PCR
J9CRRX	Pos SwabSolution	Neg SwabSolution
K98DVU	Pos Quantifiler Trio	Inc Quantifiler Trio
LU72ZV	Pos Quant Trio	Neg Quant Trio
NKPNYW	Pos	Neg
P6PR4H	Pos PCR	Neg PCR
P83ENG	Pos Investigator Quantiplex	Neg Investigator Quantiplex
QPY4HP	Pos Quantifiler Trio	Neg Quantifiler Trio
QV4Z2P	Pos Quant Trio	Neg Quant Trio
RUYL3	Pos PowerQuant	Pos PowerQuant
UMXEJD	Pos PCR	Neg PCR
UP4WG9	Pos PCR	Neg PCR

TABLE 1e

WebCode	Y-Screening Results	
	Item 3	Item 4
V3LJBL	Pos Y-Screening	Neg Y-Screening
VCCNGL	Pos Quant Trio	Neg Quant Trio
VJUUDF	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
VPX3B8	Pos PCR	Neg PCR
WJNY9C	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
WPUT49	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
X7TEWE	Pos Promega Casework Direct Kit and Powerquant qPCR	Neg Promega Casework Direct Kit and Powerquant qPCR
XH7ET8	Pos PCR	Neg PCR
XMMWWA	Pos Investigator Quantiplex Pro	Neg Investigator Quantiplex Pro
YJZJM7	Pos Plexor HY	Neg Plexor HY
YR9QAG	Pos Quant Trio	Neg Quant Trio
YR9TYK	Pos	Neg
YVUZC8	Pos PCR	Neg PCR
ZBZJN6	Pos PCR	Neg PCR
ZR3V4F	Pos qPCR	Neg qPCR

Table 1e: Serology Screening Response Summary - Y Screening			Participants: 52
This summary table excludes the count of participants who did not report or reported "Not Tested" for Item 3 and/or Item 4. Therefore, participant total may not align with totals shown below.			
	Item 3	Item 4	
Positive	52	2	
Negative	0	47	
Inconclusive	0	1	

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	
2NLQ6K	Menstrual Blood	Neg Seratec PMB	Menstrual Blood	Neg Seratec PMB
4E8NYA	SpermATIC CELLS	Pos CHRISTMAS TREE STAINING	SpermATIC CELLS	Neg CHRISTMAS TREE STAINING
8EE2U9	hair	Neg Visual exam	hair	Neg Visual exam
EUQEFU	Sperm Detection	Pos F2 male DNA quant thresholds		
GYBFBP	Sperm detection	Pos F2 male DNA quant thresholds		
JC7ECQ	Sperm detection	Pos F2 male DNA quant thresholds		
N2WBEH	Sperm detection	Pos F2 male DNA quant thresholds		
N4Z7XL	Sperm detection	Pos F2 male DNA quant thresholds		
PK4Z6L	Sperm detection	Pos F2 male DNA quant thresholds		
QVYTQG	Sperm detection	Pos F2 male DNA quant thresholds		
QWUBTH	Sperm detection	Pos F2 male DNA quant thresholds		
RMJ98H	Sperm Detection	Pos F2 male DNA quant thresholds		
W24F7D	Sperm detection	Pos F2 male DNA quant thresholds		
WMNR4P	Menstrual Blood	Neg Seratec PMB	Menstrual Blood	Neg Seratec PMB
XHBYGB	Sperm detection	Pos F2 male DNA quant threshold		
Y4N779	Sperm Detection	Pos F2 male DNA quant thresholds		

TABLE 1f

WebCode	Other Screening Results	
	Item 3	Item 4

ZXXVVB	Sperm Detection	Pos F2 male DNA quant threshold
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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

239Q97	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
24YH8B	GlobalFiler™ Express (Rapid)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
28Z8CJ	Investigator® 24plex QS/GO!					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
29ACNM	GlobalFiler™ (GeneMapper ID-X 1.6)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
2CQHLH	Investigator® 24plex QS, GO!					
	15.3,17.1	17	10,11	15,17	7,11	N/A
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	N/A	N/A	24.2,27.2	6,8	8
	16,18	N/A	N/A	N/A	N/A	
2DPKFT	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

2M8ED8	Investigator® 24plex QS					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
2NLQ6K	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
2PHMRE	Identifiler® Plus					
		17,17		15,17	7,11	
1	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
2UQKAE	GlobalFiler™ Direct					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
2UTPUA	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
2VKWX8	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
2VL4CF	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

2VN778	Investigator® 24plex GO! (TrueAllele)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
2ZWCGQ	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
34T64U	PowerPlex® Fusion 5C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,[8]	8
	16,18	NT				
34UKC7	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
36QHMF	GlobalFiler™ (GeneMapper ID-X 1.7.3)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
38WLC3	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
3AGRYY	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	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

3AZ4QX	GlobalFiler™ Direct					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
3BRW9G	PowerPlex® 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
3JLYCE	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
3K3XUH	GlobalFiler™ Express					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
3MLA8E	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
3Q8Q98	Investigator® 24plex QS					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
3U4G77	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					

TABLE 2

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

Item 1 - STR Results

3VNFLA	PowerPlex® Fusion 6C Direct				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
3XNLP2	Investigator® 24plex				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18				8,8
3ZVAF7	GlobalFiler™ Express				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18				8
42L9XV	PowerPlex® Fusion 6C				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
4E8NYA	PowerPlex® FUS6C (CODIS)				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8,8
4J2HWB	GlobalFiler™				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18	NR			8,8
					NR
4JZD98	GlobalFiler™				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18	NR			8
					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

4L9ZV8	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	Not tested
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	Not tested	Not tested	24.2,27.2	6,8	8,8
	16,18	No result	Not tested	Not tested	No result	
4NEHVN	Identifiler® Plus					
		17,17		15,17	7,11	
1	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
4RZV6R	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
4VFT99	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
4VXLZ6	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
4W9W73	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
4YHWB9	GlobalFiler™ Express (STRmix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

4Z96CX	GlobalFiler™ (STRMix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
4Z9832	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
67ABGL	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
6BQHZE	PowerPlex® Fusion 5C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NR				
6DE6GA	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
6DWKZX	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
6EPUWE	PowerPlex® 5C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	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

6HLL3Q	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
6PNLPY	Investigator® 24plex (STRmix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
6PR6D3	Investigator® 24plex Q.S.					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
6VUEJV	Investigator® 24plex					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
74HP6A	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
79YU46	Investigator® 24plex QS					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
7B3TCC	GlobalFiler™ Direct (STRmix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

7EJZUK	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
7G7RPM	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
7HZHV3	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
7LJA86	GlobalFiler™ Express (STRmix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	-			-	
7T2RHR	PowerPlex® Fusion 5C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NT				
7Z4KLZ	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
7Z4R2U	Investigator® 24plex (STRMix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

7ZXCBR	GlobalFiler™ Direct					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
82EJG9	GlobalFiler™					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
86AUE9	GlobalFiler™					
1	15.3,17.1	17,17	10,11	15,17	7,11	ND
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	ND	ND	24.2,27.2	6,8	8,8
	16,18	ND	ND	ND	ND	
86TP4P	Investigator® 24plex					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
88XJK8	GlobalFiler™ Express					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
89TZX6	Investigator® 24plex QS					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
8EE2U9	Identifiler® Plus (STRmix v 2.7)					
1		17,17		15,17	7,11	
	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	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 1 - STR Results

8EZFHL	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
8FBH77	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
8JQ42X	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
8K48F3	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
8MAVD2	Investigator® 24plex QS					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
8NZ4C4	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	-
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	-	-	24.2,27.2	6,8	8,8
	16,18	-	-	-	-	
8PEPNQ	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

8R84A2	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
8R8CPU	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
8T4R3R	Investigator® 24plex					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
8WYTVT	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
8ZXPFY	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
92NPV4	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
98FH64	GlobalFiler™ GlobalFiler Express (STRmix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

9EYLC7	PowerPlex® 21				
	15.3,17.1	17,17		15,17	7,11
1	8,12	10,10		17,21	10,13
	15,15	14,15.2	29,30		X,X
	22,23.2	12,13	10,17		6,8
	16,18				8,8
9F6MZ6	PowerPlex® 5C				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17		6,8
	16,18				8
9KWRU9	GlobalFiler™				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18				8,8
9QBNX4	PowerPlex® Fusion 6C Direct				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
9R2WYT	GlobalFiler™ (STRmix)				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18				8,8
9TE2JQ	GlobalFiler™				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18	---			8
9TXPFW	GlobalFiler™ (STRmix)				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18	NR			8,8
					NR

TABLE 2

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

Item 1 - STR Results

9VHYQD		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
9WX9RQ		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
9XLUAF		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
A2N34H		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
A93XUK		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
ABA7AW		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
ADD2TZ		GlobalFiler™ Express (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

AFK7HG		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
AGGLVE		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
AHQ8HY		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
AJMMUW		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ATRH6N		GlobalFiler™ Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
AU2Y99		Investigator® 24plex QS (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
B3UCKY		PowerPlex® Fusion 6C Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

B6E7DT GlobalFiler™ (STRmix v2.6)						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
B7UVWT Investigator® 24plex (STRmix)						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
BDV8TP Investigator® 24plex						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
BL6LME PowerPlex® Fusion 6C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	NR	NR	NR		
BMJ4R6 GlobalFiler™ (STRmix)						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
BRT9J6 GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	NT
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	NT	NT	24.2,27.2	6,8	8,8
	16,18	NR	NT	NT	NR	
BW68Y6 GlobalFiler™ Express (STRmix)						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

BX2PVE GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
C39FVY GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
C3LCYJ GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
C79QRY GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	No Results			No Results	
C7MCYF GlobalFiler™ Express						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
C84ATZ GlobalFiler™						
	15.3,193.35pb	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
CH2DVA GlobalFiler™ Express						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	

TABLE 2

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

Item 1 - STR Results

CK9PGG		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
CLKN8Y		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
CNBWAM		GlobalFiler™ Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
CNRKHN		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
CPNZUL		PowerPlex® Fusion 5C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,[8]	8
	16,18	NT				
CYLZ3J		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
CZMPWF		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

D293LC	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
D3LRQA	GlobalFiler™					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
D3MURT	PowerPlex® Fusion 6C, GlobalFiler™ Express					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
D4EHWN	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
D6VENN	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
DAL24U	Investigator® 24plex QS					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
DF843J	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

DJV7GK	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
DLXBMD	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
DPH4YF	Identifiler® Plus					
		17,17		15,17	7,11	
1	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
DPH7NK	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
DPZA4X	Investigator® 24plex Q/S					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
DQDLZG	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
DVMX2N	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

DWCBFZ	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
DXDRPX	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
DY4YQL	GlobalFiler™ Direct (STRmix)					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
E238FB	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
E67QQQ	Investigator® 24plex					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
EBCMAQ	Investigator® 24plex (STRmix)					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
EF4URY	GlobalFiler™ Express					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

EFMMMG		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
EKJ673		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ENGBDX		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
ENKKLX		PowerPlex® Fusion 6C, FlexPlex				
1	15.3,17.1	17	10,11	15,17	7,11	10,11
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	NID	NID	NID		
EQ8JEM		GlobalFiler™, RapidHITID Ace cartridge				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
EUQEFU		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
EX928Z		GlobalFiler™ Express				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

EZA96J	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
F3GQ2U	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
F4RTPD	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
F7WCWL	Investigator® 24plex					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
F89ZA7	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
F8RUXM	Investigator® 24plex					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
FDED6P	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

FFLAEE GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
FNDH7X GlobalFiler™ (STRmix)						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
FQZ7GX GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
FWMW28 PowerPlex® Fusion 6C						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	NR	NR	NR		
FZH8JU GlobalFiler™ (GeneMapper ID-X 1.6)						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
G3WTKT GlobalFiler™ Express						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
G9YJQX GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

GE4YBK		PowerPlex® Fusion 6C				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
GH4Q7X		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
GJZXYC		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
GKTQUU		Investigator® 24plex QS				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
GNFX6W		GlobalFiler™ Express (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
GP777K		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
GTLBPU		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

GUE4KD		homemade multiplex				
1	15.3,17.1		10,11	15,17		
		10,10	13,16	17,21		11,12
	15,15		29,30	15,16	X,X	
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
GUGA2T		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
GYBFBP		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
GYCKX8		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
GYWCWK		Investigator® 24plex QS				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
H37Y29		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
H3QFHB		Identifiler® Plus				
1		17,17		15,17	7,11	
	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	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 1 - STR Results

H4JJJJ	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
H4MXF7	PowerPlex® Fusion 6C					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
H6HWTP	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
H796UE	GlobalFiler™ Direct					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
H7PQDB	Identifiler® Plus					
		17,17		15,17	7,11	
1	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
H7PT3F	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
H8LAFC	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

HARRD9 GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
HG984W GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	-
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	-	-	24.2,27.2	6,8	8,8
	16,18	-	-	-	-	
HHKZ6Q Investigator® 24plex QS						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
HNQUYM Investigator® 24plex						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
HPLABJ Investigator® 24plex QS						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
HT6U8R PowerPlex® Fusion 6C						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
HUBVWQ PowerPlex® Fusion 6C System						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	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 1 - STR Results

HUZD9T		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
HV6PQA		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
HVQLAH		GlobalFiler™ Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
HVQNZL		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
HYNG3C		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
J9CRRX		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
J9CUG3		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	

TABLE 2

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

Item 1 - STR Results

JB2CL9		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
JC7ECQ		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
JJA EVT		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	-			-	
JL2UAQ		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
JLX8XH		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
JMA7P7		PowerPlex® Fusion 6C				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
JQW4GN		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

JRJANL	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
JRMCJC	GlobalFiler™ Direct					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
JUBHNN	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
JXVYPH	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
K4BXZR	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
K686QJ	GlobalFiler™ (STRmix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
K8V97R	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

K98DVU		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
K9RNJN		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
KBU2AF		GlobalFiler™ Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
KC3NR9		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
KDY447		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	NR	NR	NR		
KLWUPF		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
KNZHDJ		Investigator® 24plex				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

KPRKT8	GlobalFiler™ Express					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
KRX7LD	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
L3YTDA	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
L7GFXM	Flex Plex					
1	15.3,17.1	17	10,11	15,17	7,11	10,11
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2		10,17		6,8	8
	16,18					
LGW6G8	PowerPlex® Fusion 5C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18					
LMHV9A	GlobalFiler™					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
LNEBK7	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

LQLQRC		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
LRG9TD		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
LTCBUG		PowerPlex® Fusion 6C				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
LU72ZV		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
LXJHZ7		Identifiler® Plus				
1		17,17		15,17	7,11	
	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
LZ8DVR		PowerPlex® Fusion 6C Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
M7AEK8		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

M9GJCB	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
MAD2A6	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
MDCC76	GlobalFiler™ Express					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
MFHV98	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
MM2YFA	Identifiler® Plus					
		17,17		15,17	7,11	
1	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
MNCZ29	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
MY9473	GlobalFiler™					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

N2F62E	PowerPlex® Fusion 6C					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
N2WBEH	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
N4Z7XL	GlobalFiler™					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
N9VHQJ	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
N9Z87V	PowerPlex® Fusion 5C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NR				
NCFA3M	GlobalFiler™ Express (STRmix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	-			-	
NFT8AA	Investigator® 24plex (STRmix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

NJDYLC Investigator® 24plex						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
NK9HMD Investigator® 24plex QS						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
NKPNYW PowerPlex® Fusion 6C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
NRQX6P GlobalFiler™ Express						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	--			--	
NUEKN4 PowerPlex® Fusion 6C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
NVQRZQ GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
NWL8CM PowerPlex® Fusion 6C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					

TABLE 2

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

Item 1 - STR Results

NXCFDC		GlobalFiler™ Direct, RapidHit ACE cartridge (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
P6QNED		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
P83ENG		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
PBWPP3		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
PD4QKE		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	N/A			N/A	
PD9X3A		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
PK4Z6L		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

PLY4TA		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
PQT8EZ		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
PU98KL		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
PURHAZ		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
PW2BMN		PowerPlex® Fusion 6C				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
PXNAFC		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
PZGVHF		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

Q234WA		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
Q9LCFZ		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
Q9PW43		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
QC8JTL		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
QCMURE		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
QDLC2Q		GlobalFiler™ (STRMIX)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
QER3KQ		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

QF8L4G GlobalFiler™						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
QLDW2W PowerPlex® Fusion 5C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18					
QPY4HP GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
QRHQ2J GlobalFiler™ Express (STRmix)						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	-			-	
QU9Y39 GlobalFiler™						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	-	-	24.2,27.2	6,8	8
	16,18	-	-	-	-	
QV4Z2P GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
QVYTQG GlobalFiler™						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

QWUBTH		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
QX7XCH		PowerPlex® Fusion 6C Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
QXP7M2		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
R6723V		Rapid Intel Plus				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	
RABXMV		PowerPlex® Fusion 5C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NR				
RJLAPK		GlobalFiler™ (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
RMJ98H		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

RQNPPL	PowerPlex® Fusion 6C Direct					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
RU34W8	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
RUYLU3	PowerPlex® Fusion					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18					
RYCBH7	Investigator® 24plex					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
TABHPP	Investigator® 24plex QS (STRmix)					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
TB7Q88	Investigator® 24plex					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
TE9PHY	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					

TABLE 2

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

Item 1 - STR Results

TGDEK9		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
TMHVYF		PowerPlex® Fusion 6C, FlexPlex				
1	15.3,17.1	17	10,11	15,17	7,11	10,11
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18	NID	NID	NID		
TZ6FNX		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
TZ9XQ3		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
U47Q96		Investigator® 24plex				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
U6D97Z		Investigator® 24plex QS				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
UE267F		GlobalFiler™ Express (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	-			-	

TABLE 2

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

Item 1 - STR Results

UJY2X9		GlobalFiler™				
		15.3,17.1	17	10,11	15,17	7,11
1		8,12	10	13,16	17,21	10,13
		15	14,15.2	29,30	15,16	X
		22,23.2			24.2,27.2	6,8
		16,18				8
UK7Y3W		PowerPlex® Fusion 6C				
		15.3,17.1	17	10,11	15,17	7,11
1		8,12	10	13,16	17,21	10,13
		15	14,15.2	29,30	15,16	X
		22,23.2	12,13	10,17	24.2,27.2	6,8
		16,18				8
ULKAWV		GlobalFiler™				
		15.3,17.1	17,17	10,11	15,17	7,11
1		8,12	10,10	13,16	17,21	10,13
		15,15	14,15.2	29,30	15,16	X,X
		22,23.2			24.2,27.2	6,8
		16,18				8,8
UNP6CR		PowerPlex® Fusion 5C				
		15.3,17.1	17	10,11	15,17	7,11
1		8,12	10	13,16	17,21	10,13
		15	14,15.2	29,30	15,16	X
		22,23.2	12,13	10,17		6,8
		16,18	NR			8
UUGZNX		PowerPlex® Fusion 6C				
		15.3,17.1	17	10,11	15,17	7,11
1		8,12	10	13,16	17,21	10,13
		15	14,15.2	29,30	15,16	X
		22,23.2	12,13	10,17	24.2,27.2	6,8
		16,18				8
UVCJPY		PowerPlex® Fusion 6C				
		15.3,17.1	17	10,11	15,17	7,11
1		8,12	10	13,16	17,21	10,13
		15	14,15.2	29,30	15,16	X
		22,23.2	12,13	10,17	24.2,27.2	6,8
		16,18				8
UWJB9Z		GlobalFiler™				
		15.3,17.1	17,17	10,11	15,17	7,11
1		8,12	10,10	13,16	17,21	10,13
		15,15	14,15.2	29,30	15,16	X,X
		22,23.2			24.2,27.2	6,8
		16,18				8,8

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

UYCWB4		GlobalFiler™				
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
V3LJBL		PowerPlex® Fusion 6C				
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
V8WU4F		GlobalFiler™				
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
VBKUUX		PowerPlex® Fusion 6C				
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
VCCNGL		GlobalFiler™				
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
VHHPQB		Investigator® 24plex				
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
VJUUFD		GlobalFiler™ Express				
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

VN6L97 PowerPlex® Fusion 6C						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
VVMUW3 PowerPlex® Fusion 6C						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
VYJLZT PowerPlex® Fusion 6C						
	15.3,17.1	17,17	10,11	15,17	7,11	N/A
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18	ND	ND	ND	N/A	
VZE2DQ Investigator® 24plex QS, GO						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	N/A				
W24F7D GlobalFiler™						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
W298BV GlobalFiler™						
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
W2R4MV PowerPlex® Fusion 6C						
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

W4W28G		PowerPlex® Fusion 6C Direct				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
W8D2BJ		GlobalFiler™ Express				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
W99JDK		GlobalFiler™ (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
WEEFWK		GlobalFiler™ (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
WF9NV9		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
WJNY9C		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
WMNR4P		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					

TABLE 2

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

Item 1 - STR Results

WPUT49		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
WUP4ZM		PowerPlex® Fusion 5C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NR				
WZCQYY		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
X24ABJ		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	-
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	-	-	24.2,27.2	6,8	8,8
	16,18	N/D	-	-	N/D	
X7VJJW		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
XAY3UC		Investigator® 24plex QS				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
XAY6JF		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	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 1 - STR Results

XCZVEE		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
XEQ4F4		GlobalFiler™, RapidHIT ID ACE cartridge				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
XHBYGB		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
XHNZC6		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
XJ4C22		Investigator® 24plex (STRmix)				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
XMMWWA		GlobalFiler™ Express				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
XT9YUE		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

XU67K7		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
XX329V		Identifiler® Plus				
1		17,17		15,17	7,11	
	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
XXZERG		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	N/D			N/D	
Y3UUHF		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
Y4N779		GlobalFiler™				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
Y6U7BU		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	NR			NR	
YABYG9		PowerPlex® Fusion 6C, GlobalFiler™ Express				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	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 1 - STR Results

YCK84U		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
YGBQYX		Identifiler® Plus				
1		17,17		15,17	7,11	
	8,12	10,10			10,13	11,12
	15,15	14,15.2	29,30		X,X	10,12
	22,23.2				6,8	8,8
	16,18					
YH84HJ		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
YHMF92		GlobalFiler™				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
YJ2GX3		GlobalFiler™ (STRmix)				
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
YJXHVZ		Investigator® 24plex				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
YJZJM7		PowerPlex® Fusion 6C				
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

YKQ9ZF GlobalFiler™ Express						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
YN3RKB GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18	-			-	
YQCBXJ Investigator® 24plex QS,GO						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
YR9QAG GlobalFiler™						
1	15.3,17.1	17,17	10,11	15,17	7,11	NT
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	NT	NT	24.2,27.2	6,8	8,8
	16,18	NR	NT	NT	NR	
YU4ZTX Investigator® 24plex						
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
YVRKBM GlobalFiler™ Express						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18	NM			NM	
Z2DXR2 PowerPlex® Fusion 6C						
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	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 1 - STR Results

Z368K4	Investigator® 24plex					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
Z3AW2E	PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL))					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8,8
	16,18					
Z46DDC	PowerPlex® Fusion 6C					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
Z4L2LD	GlobalFiler™ (STRmix)					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
Z8F8UN	Investigator® 24plex					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
Z9CM7K	Investigator® 24plex QS, Go					
	15.3,17.1	17	10,11	15,17	7,11	
1	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ZAQFC2	GlobalFiler™ (STRmix)					
	15.3,17.1	17,17	10,11	15,17	7,11	
1	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	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 1 - STR Results

ZBEKER	GlobalFiler™ Express					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ZBJ3DQ	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ZE2Z89	GlobalFiler™					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ZFGPLZ	GlobalFiler™ Direct (STRmix)					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2			24.2,27.2	6,8	8
	16,18					
ZFH8GW	Investigator® 24plex					
1	15.3,17.1	17,17	10,11	15,17	7,11	
	8,12	10,10	13,16	17,21	10,13	11,12
	15,15	14,15.2	29,30	15,16	X,X	10,12
	22,23.2			24.2,27.2	6,8	8,8
	16,18					
ZFT7EQ	PowerPlex® Fusion 6C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
ZFVQDM	PowerPlex® Fusion 5C					
1	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17		6,8	8
	16,18	NR				

TABLE 2

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

Item 1 - STR Results

ZMBPMR	Identifiler® Plus				
		17,17		15,17	7,11
1	8,12	10,10		10,13	11,12
	15,15	14,15.2	29,30	X,X	10,12
	22,23.2			6,8	8,8
	16,18				
ZQXLB4	GlobalFiler™ (STRmix)				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18	N/A			8,8
					N/A
ZR3V4F	GlobalFiler™ (TrueAllele)				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18				8
ZWH7GJ	PowerPlex® Fusion 5C				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17		6,8
	16,18	NR			8
ZXXVVB	GlobalFiler™				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18				8
ZZ39AB	Investigator® 24plex QS				
	15.3,17.1	17,17	10,11	15,17	7,11
1	8,12	10,10	13,16	17,21	10,13
	15,15	14,15.2	29,30	15,16	X,X
	22,23.2			24.2,27.2	6,8
	16,18				8,8
ZZ6B62	GlobalFiler™ Direct				
	15.3,17.1	17	10,11	15,17	7,11
1	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2			24.2,27.2	6,8
	16,18				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 2 - STR Results

239Q97	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
24YH8B	GlobalFiler™ Express (Rapid)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
28Z8CJ	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
29ACNM	GlobalFiler™ (GeneMapper ID-X 1.6)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2CQHLH	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	N/A
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	N/A	N/A	20,25.2	8,9.3	8,9
	15,17	11	N/A	N/A	N/A	
2DPKFT	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2M8ED8	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

2NLQ6K	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2PHMRE	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
2UQKAE	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2UTPUA	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2VKWX8	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2VL4CF	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2VN778	Investigator® 24plex GO! (TrueAllele)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

2ZWCGQ	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
34T64U	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
34UKC7	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
36QHMF	GlobalFiler™ (GeneMapper ID-X 1.7.3)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
38WLC3	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3AGRYY	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	N/A
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	N/A	
3AZ4QX	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

3BRW9G		PowerPlex® 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
3JLYCE		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3K3XUH		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3MLA8E		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3Q8Q98		Investigator® 24plex QS				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
3U4G77		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3VNFLA		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

3XNLP2	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
3ZVAF7	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
42L9XV	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4E8NYA	PowerPlex® Fusion 6C (CODIS)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4J2HWB	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
4JZD98	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
4L9ZV8	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	Not tested
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	Not tested	Not tested	20,25.2	8,9.3	8,9
	15,17	11	Not tested	Not tested	2	

TABLE 2

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

Item 2 - STR Results

4NEHVN	Identifiler® Plus				
		17,23		16,18	12,12
2	11,12	12,14		8,11	11,12
	13,16	14,15	27,30	X,Y	11,12
	20,22			8,9.3	8,9
	15,17				
4RZV6R	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
4VFT99	GlobalFiler™ Express				
	15,17.3	17,23	10,14	16,18	12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
4VXLZ6	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
4W9W73	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
4YHWB9	GlobalFiler™ Express (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
4Z96CX	GlobalFiler™ (STRMix)				
	15,17.3	17,23	10,14	16,18	12,12
2	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9

TABLE 2

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

Item 2 - STR Results

4Z9832	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
67ABGL	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
6BQHZE	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
6DE6GA	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
6DWKZX	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
6EPUWE	PowerPlex® 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
6HLL3Q	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

6PNLPY	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
6PR6D3	Investigator® 24plex Q.S.					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
6VUEJV	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
74HP6A	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
79YU46	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
7B3TCC	GlobalFiler™ Direct (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
7EJZUK	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

7G7RPM	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
7HZHV3	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
7LJA86	GlobalFiler™ Express (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
7T2RHR	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
7Z4KLZ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
7Z4R2U	Investigator® 24plex (STRMix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
7ZXCBR	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

82EJG9	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
86AUE9	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	ND
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	ND	ND	20,25.2	8,9.3	8,9
	15,17	11	ND	ND	2	
86TP4P	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
88XJK8	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
89TZX6	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8EE2U9	Identifiler® Plus (STRmix v 2.7)					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
8EZFHL	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

8FBH77	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8JQ42X	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8K48F3	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8MAVD2	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8NZ4C4	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	-
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	
8PEPNQ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8R84A2	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

8R8CPU		Investigator® 24plex				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8T4R3R		Investigator® 24plex				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8WYTVT		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
8ZXPFY		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
92NPV4		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
98FH64		GlobalFiler™ GlobalFiler Express (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9EYLC7		PowerPlex® 21				
2	15,17.3	17,23		16,18	12,12	11,12
	11,12	12,14		16,18	8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17					

TABLE 2

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

Item 2 - STR Results

9F6MZ6		PowerPlex® 5C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
9KWRU9		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9QBNX4		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
9R2WYT		GlobalFiler™ (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11,11			2	
9TE2JQ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9TXPFW		GlobalFiler™ (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9VHYQD		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

9WX9RQ Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
9XLUAF Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
A2N34H PowerPlex® Fusion 6C						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
A93XUK GlobalFiler™						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ABA7AW Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ADD2TZ GlobalFiler™ Express (STRmix)						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AFK7HG GlobalFiler™ Express						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

AGGLVE		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AHQ8HY		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
AJMMUW		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ATRH6N		GlobalFiler™ Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AU2Y99		Investigator® 24plex QS (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
B3UCKY		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
B6E7DT		GlobalFiler™ (STRmix v2.6)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

B7UVWT	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
BDV8TP	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
BL6LME	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
BMJ4R6	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
BRT9J6	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	NT
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	NT	NT	20,25.2	8,9.3	8,9
	15,17	11	NT	NT	2	
BW68Y6	GlobalFiler™ Express (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
BX2PVE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

C39FVY		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
C3LCYJ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
C79QRY		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
C7MCYF		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
C84ATZ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
CH2DVA		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
CK9PGG		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

CLKN8Y	PowerPlex® Fusion 6C Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
CNBWAM	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
CNRKHN	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
CPNZUL	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
CYLZ3J	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
CZMPWF	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
D293LC	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

D3LRQA	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
D3MURT	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	
D4EHWN	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
D6VENN	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
DAL24U	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
DF843J	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
DJV7GK	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

DLXBMD	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
DPH4YF	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
DPH7NK	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
DPZA4X	Investigator® 24plex Q/S					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
DQDLZG	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
DVMX2N	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
DWCBFZ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

DXDRPX	GlobalFiler™					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
DY4YQL	GlobalFiler™ Direct (STRmix)					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
E238FB	PowerPlex® Fusion 6C					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
E67QQQ	Investigator® 24plex					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
EBCMAQ	Investigator® 24plex (STRmix)					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
EF4URY	GlobalFiler™ Express					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
EFMMMG	GlobalFiler™					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

EKJ673	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ENGBDX	PowerPlex® Fusion 6C Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
ENKKLX	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	
EUQEFU	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
EX928Z	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
EZA96J	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
F3GQ2U	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

F4RTPD	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
F7WCWL	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
F89ZA7	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
F8RUXM	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
FDED6P	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
FFLAEE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
FNDH7X	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

FQZ7GX		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
FWMW28		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
FZH8JU		GlobalFiler™ (GeneMapper ID-X 1.6)				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
G3WTKT		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
G9YJQX		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GE4YBK		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
GH4Q7X		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

GJZYC		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
GKTQUU		Investigator® 24plex QS				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
GNFX6W		GlobalFiler™ Express (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GP777K		GlobalFiler™ (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GTLBPU		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GUE4KD		homemade multiplex				
2	15,17.3		10,14	16,18		
		12,14	12,13	16,18		11,12
	13,16		27,30	15,15	X,Y	
	20,22			20,25.2	8,9.3	8,9
	15,17					
GUGA2T		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

GYBFBP		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GYCKX8		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GYWCWK		Investigator® 24plex QS				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
H37Y29		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
H3QFHB		Identifiler® Plus				
2		17,23		16,18	12,12	
	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
H4JJJJ		Investigator® 24plex				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
H4MXF7		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

H6HWTP	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
H796UE	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
H7PQDB	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
H7PT3F	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
H8LAFC	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
HARRD9	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
HG984W	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	-
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	

TABLE 2

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

Item 2 - STR Results

HHKZ6Q Investigator® 24plex QS						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
HNQUYM Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
HPLABJ Investigator® 24plex QS						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
HT6U8R PowerPlex® Fusion 6C Direct						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
HUBVVQ PowerPlex® Fusion 6C System						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
HUZD9T PowerPlex® Fusion 6C						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
HV6PQA GlobalFiler™						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

HVQLAH		GlobalFiler™ Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
HVQNZL		GlobalFiler™ (STRmix)				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
HYNG3C		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
J9CRRX		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
J9CUG3		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JB2CL9		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
JC7ECQ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

JJAEVT	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JL2UAQ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JLX8XH	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
JMA7P7	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
JQW4GN	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JRJANL	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
JRMCJC	GlobalFiler™ Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

JUBHNN	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JXVYPH	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
K4BXZR	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K686QJ	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K8V97R	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
K98DVU	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K9RNJN	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

KBU2AF		GlobalFiler™ Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
KC3NR9		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
KDY447		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
KLWUPF		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
KNZHDJ		Investigator® 24plex				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
KPRKT8		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
KRX7LD		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

L3YTDA	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
L7GFXM	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
LGW6G8	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
LMHV9A	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
LNEBK7	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
LQLQRC	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
LRG9TD	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

LTCBUG	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
LU72ZV	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
LXJHZ7	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
LZ8DVR	PowerPlex® Fusion 6C Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
M7AEK8	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
M9GJCB	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
MAD2A6	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

MDCC76	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
MFHV98	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
MM2YFA	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
MNCZ29	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
MY9473	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
N2F62E	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
N2WBEH	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

N4Z7XL	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
N9VHQJ	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
N9Z87V	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
NCFA3M	GlobalFiler™ Express (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
NFT8AA	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
NJDYLC	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
NK9HMD	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

NKPNYW		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
NRQX6P		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
NUEKN4		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
NVQRZQ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
NWL8CM		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
NXCFDC		GlobalFiler™ Direct, RapidHit ACE cartridge (STRmix)				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
P6QNED		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

P83ENG	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
PBWPP3	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
PD4QKE	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
PD9X3A	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
PK4Z6L	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
PLY4TA	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
PQT8EZ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

PU98KL		GlobalFiler™				
		15,17.3	17,23	10,14	16,18	12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
PURHAZ		GlobalFiler™				
		15,17.3	17,23	10,14	16,18	12,12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
PW2BMN		PowerPlex® Fusion 6C				
		15,17.3	17,23	10,14	16,18	12,12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
PXNAFC		PowerPlex® Fusion 6C				
		15,17.3	17,23	10,14	16,18	12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
PZGVHF		Investigator® 24plex				
		15,17.3	17,23	10,14	16,18	12,12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			
Q234WA		PowerPlex® Fusion 6C				
		15,17.3	17,23	10,14	16,18	12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
Q9LCFZ		PowerPlex® Fusion 6C				
		15,17.3	17,23	10,14	16,18	12
2		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	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 2 - STR Results

Q9PW43	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QC8JTL	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QCMURE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QDLC2Q	GlobalFiler™ (STRMIX)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QER3KQ	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QF8L4G	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QLDW2W	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

QPY4HP		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QRHQ2J		GlobalFiler™ Express (STRmix)				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QU9Y39		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	
QV4Z2P		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QVYTQG		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QWUBTH		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QX7XCH		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

QXP7M2		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
R6723V		PowerPlex® Fusion 5C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
RABXMV		PowerPlex® Fusion 5C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
RJLAPK		GlobalFiler™ (STRmix)				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
RMJ98H		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
RQNPNL		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
RU34W8		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

RUYLU3 PowerPlex® Fusion						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17					
RYCBH7 Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
TABHPP Investigator® 24plex QS (STRmix)						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
TB7Q88 Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
TE9PHY PowerPlex® Fusion 6C						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
TGDEK9 Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
TMHVYF PowerPlex® Fusion 6C, GlobalFiler™ Express						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	

TABLE 2

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

Item 2 - STR Results

TZ6FNX		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
TZ9XQ3		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
U47Q96		Investigator® 24plex				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
U6D97Z		Investigator® 24plex QS				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
UE267F		GlobalFiler™ Express (STRmix)				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UJY2X9		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UK7Y3W		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

ULKAWV		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UNP6CR		PowerPlex® Fusion 5C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
UUGZNX		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
UVCJPY		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
UWJB9Z		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UYCWB4		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11,11			2	
V3LJBL		PowerPlex® Fusion 6C				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

V8WU4F	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
VBKUUX	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
VCCNGL	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
VHHPQB	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
VJUUF D	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
VN6L97	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
VVMUW3	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

VYJLZT	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12,12	N/A
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	N/A	
VZE2DQ	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
W24F7D	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
W298BV	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
W2R4MV	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
W4W28G	PowerPlex® Fusion 6C Direct					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
W8D2BJ	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

W99JDK	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WEEFWK	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WF9NV9	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WJNY9C	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WMNR4P	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WPUT49	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WUP4ZM	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

WZCQYY		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
X24ABJ		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	-
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	
X7VJJW		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
XAY3UC		Investigator® 24plex QS				
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
XAY6JF		GlobalFiler™ Express				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
XCZVEE		PowerPlex® Fusion 6C Direct				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
XHB YGB		GlobalFiler™				
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

XHNZC6	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
XJ4C22	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
XMMWWA	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
XT9YUE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
XU67K7	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
XX329V	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
XXZERG	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

Y3UUHF	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Y4N779	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Y6U7BU	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
YABYG9	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17	2	
YCK84U	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
YGBQYX	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
YH84HJ	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

YHMF92 GlobalFiler™						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
YJ2GX3 GlobalFiler™ (STRmix)						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
YJXHVZ Investigator® 24plex						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
YJZJM7 PowerPlex® Fusion 6C						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
YKQ9ZF GlobalFiler™ Express						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
YN3RKB GlobalFiler™						
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
YQCBXJ Investigator® 24plex QS						
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 2 - STR Results

YR9QAG	GlobalFiler™					
2	15,17.3	17,23	10,14	16,18	12,12	NT
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	NT	NT	20,25.2	8,9.3	8,9
	15,17	11	NT	NT	2	
YU4ZTX	Investigator® 24plex					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
YVRKBM	GlobalFiler™ Express					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Z2DXR2	PowerPlex® Fusion 6C					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Z368K4	Investigator® 24plex					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
Z3AW2E	PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL), FAMILIAS VERSION 3.3.1, YHRD.ORG)					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Z46DDC	PowerPlex® Fusion 6C					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 2 - STR Results

Z4L2LD	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Z8F8UN	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
Z9CM7K	Investigator® 24plex QS, Go					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ZAQFC2	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZBEKER	GlobalFiler™ Express					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZBJ3DQ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZE2Z89	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

ZFGPLZ	GlobalFiler™ Direct (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZFH8GW	Investigator® 24plex					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ZFT7EQ	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
ZFVQDM	PowerPlex® Fusion 5C					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
ZMBPMR	Identifiler® Plus					
		17,23		16,18	12,12	
2	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
ZQXLB4	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZR3V4F	GlobalFiler™ (TrueAllele)					
	15,17.3	17,23	10,14	16,18	12	
2	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 2 - STR Results

ZWH7GJ	PowerPlex® Fusion 5C					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
ZXXVVB	GlobalFiler™					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZZ39AB	Investigator® 24plex QS					
2	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ZZ6B62	GlobalFiler™ Direct					
2	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3 - STR Results

4Z96CX	GlobalFiler™ (STRmix)					
	15,17.1,17.3	17,23	10,11,14	16,17,18	7,11,12	
3	8,11,12	10,12,14	12,13	16,18,21	8,10,11,13	11,12
	13,15,16	14,15	27,29,30	15	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
9R2WYT	GlobalFiler™ (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	16,18	7,12	
3	8,11,12	10,12,14	12,13	16,17,18	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15	X,Y	10,11,12
	20,22,23.2			20,25.2,27.2	6,8,9,3	8,9
	15,17,18	11			2	
9WX9RQ	Investigator® 24plex (STRmix)					
	15,15.3,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3	11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11				
B6E7DT	GlobalFiler™ (STRmix v2.6)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,18	7,11,12	
3	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15	X,Y	11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
C84ATZ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9,3	8,9
	15,17	11			2	
DWCBFZ	GlobalFiler™					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3	8,11,12	10,12,14	12,13,16	16,17,18	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
FZH8JU	GlobalFiler™ (GeneMapper ID-X 1.6)					
	15,15.3,17.1,17.3	17,23	10,14	15,16,17,18	12	
3	8,11,12	10,12,14	12,13	16,17,18,21	8,11	11,12
	13,15,16	14,15	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,25.2	6,8,9,3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3 - STR Results

GP777K GlobalFiler™ (STRmix)						
3	15,15.3,17.1,17.3	17,23	10,11,14	16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18	8,10,11,13	11,12
	13,15,16	14,15	27,29,30	15	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2	6,8,9,3	8,9
	15,17,18	11			2	
GUE4KD homemade multiplex						
3	15,15.3,17.1,17.3		10,11,14	15,16,17,18		
		10,12,14	12,13,16	16,17,18,21		11,12
	13,15,16		27,29,30	15,16	X,Y	
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18					
HG984W GlobalFiler™						
3	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	-
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15	27,29,30	15,15	X,Y	10,11,12
	20,22,23.2	-	-	20,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11	-	-	2	
HUBVWQ PowerPlex® 6C System						
3	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	11,12	
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11	16	17		
HVQNZL GlobalFiler™ (STRmix)						
3	15,17.3	17,23	10,11,14	15,16,18	7,11,12	
	8,11,12	10,12,14	12,13	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,30	15	X,Y	10,11,12
	20,22			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
Q9PW43 GlobalFiler™						
3	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,[13],14	12,13,[16]	16,18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9,3	8,9
	15,[16],17,[18]	11			2	
TMHVYF PowerPlex® Fusion 6C (STRmix 2.6)						
3	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	10,12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,15,16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]	9,[12],13	7,[10],[17],18	20,[24.2],25.2,[27.2]	[6],8,9,3	8,9
	15,[16],17,[18]	11	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 3 - STR Results

YJ2GX3		GlobalFiler™ (STRmix)				
3	15,17.1,17.3	17,23	10,11,14	15,16,18	7,12	
	8,11,12	10,12,14	12,13,16	16,18	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,30	15	X,Y	10,11,12
	20,22,23.2			20,25.2,27.2	6,8,9.3	8,9
	15,17,18	11			2	
ZAQFC2		GlobalFiler™ (STRmix)				
3	15,17.1,17.3	17,23	10,11,14	15,16,18	7,11,12	
	8,11,12	10,12,14	12,13	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	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 3e - STR Results

239Q97	Investigator® 24plex (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
24YH8B	GlobalFiler™ (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
28Z8CJ	Investigator® 24plex QS					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
29ACNM	GlobalFiler™ (GeneMapper ID-X 1.6)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
2CQHLH	Investigator® 24plex QS					
	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	N/A
3e	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]	N/A	N/A	20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11	N/A	N/A	N/A	
2DPKFT	GlobalFiler™					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	12,12	
3e	11,12	10,12,14	12,13,16	16,18,21	8,11,13	11,12
	13,15,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2,27.2	6,8,9.3	8,9
	15,17,18	11			2	
2M8ED8	Investigator® 24plex QS					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				

TABLE 2

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

Item 3e - STR Results

2NLQ6K		GlobalFiler™ (BulletProof Sentry)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
2PHMRE		Identifiler® Plus				
3e		17,23		15,16,17,18	7,11,12	
	8,11,12	10,12,14			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
2UQKAE		GlobalFiler™ (STRMix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
2UTPUA		GlobalFiler™ (STRmix v2.5)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
2VKWX8		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
2VN778		Investigator® 24plex QS (TrueAllele)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
2ZWCGQ		PowerPlex® Fusion 6C (STRmix v. 2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

34T64U	PowerPlex® Fusion 5C				
	15,15.3,17.1,17.3	17,[23,24]	10,[11,14]	[15],16,17,18	[7],11,[12]
3e	11,12	10,12,[14]	12,13,16	16,18,[21]	[8,10,11],13
	13,15,[16]	14,[15,15.2]	[27,29],30	15,[16]	X,[Y]
	[20],22,23.2	9,12,13	[7],10,17,[18]	[6],8,9.3	8,[9]
	15,[16],17,[18]	11			
34UKC7	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
36QHMF	GlobalFiler™ (GeneMapper ID-X 1.7.3)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
38WLC3	GlobalFiler™ (STRmix)				
	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12,13
3e	8,10,11,12	9,10,11,12,13,14	11,12,13,15,16	15,16,17,18,21	7,8,10,11,12,13
	12,13,14,15,16	13,14,15,15.2	26,27,28,29,30	14,15,16	X,Y
	19,20,21,22,23.2			19,19.2,20,23.2,24.2,25,25.2,26.2,27.2	6,7,8,9.3
	14,15,16,17,18	10,11			2
3AGRY	PowerPlex® Fusion 6C (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	N/A
3AZ4QX	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3,18.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	12,14,15,15.2	27,29,30	11,15,16,17	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	10,11			2

TABLE 2

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

Item 3e - STR Results

3BRW9G		PowerPlex® 6C				
3e	15,15.3,17.1,17.3	17,23	10,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18	8,10,11	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22	9,12,13	7,10,17,18	20,24.2,25.2,27.2	8,9.3	8,9
	15,16,17	11	16	17		
3JLYCE		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
3K3XUH		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
3MLA8E		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	[7],[11],12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,[15.2]	27,29,30	15,[16]	X,[Y]	10,11,12
	20,22,[23.2]			20,24.2,25.2,27.2	6,8,9.3	8,[9]
	15,16,17,18	11			2	
3Q8Q98		Investigator® 24plex QS (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
3U4G77		GlobalFiler™ (STRmix)				
3e	14,15,15.3,16.3,17.1,17.3	16,17,22,23	10,11,13,14	15,16,17,18	7,11,12	
	10,11,12	10,11,12,13,14	12,13	15,16,17,18	8,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	20,22,23.2			19,20,21,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
3VNFLA		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

3XNLP2	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	13,14,15,15.2	27,29,30	14,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
3ZVAF7	GlobalFiler™ (STRMIX)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,14,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	11,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3
	15,16,17,18	11			8,9
42L9XV	PowerPlex® Fusion 6C				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
4E8NYA	PowerPlex® Fusion 6C (CODIS)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
4J2HWB	GlobalFiler™ (STRmix)				
	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12
3e	8,10,11,12	10,11,12,13,14	11,12,13,16	15,16,17,18,21	7,8,10,11,13
	12,13,15,16	13,14,15,15.2	26,27,29,30	14,15,16	X,Y
	19,20,21,22,23.2			19,19.2,20,24.2,25,25.2,26.2,27.2	6,7,8,9.3
	14,15,16,17,18	11			8,9
4JZD98	GlobalFiler™ (STRmix v2.5)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
4L9ZV8	GlobalFiler™ (STRmix 2.8.0)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	Not tested	Not tested	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	Not tested	Not tested	8,9

TABLE 2

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

Item 3e - STR Results

4NEHVN	Identifiler® Plus				
		17,23		15,16,17,18	7,11,12
3e	8,11,12	10,12,14		8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	X,X,Y	10,11,12
	20,22,23.2			6,8,9.3	8,9
	15,16,17,18				
4RZV6R	PowerPlex® Fusion 6C (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
4TP26V	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
4VXLZ6	GlobalFiler™ (STRmix)				
	15,17.1,17.3	16,17,22,23	10,11,13,14	15,16,17,18	11,12
3e	8,10,11,12	10,11,12,13,14	11,12,13	16,17,18	8,10,11
	12,13,15,16	13,14,15,15.2	27,29,30	14,15,16	X,Y
	19,20,21,22			19,20,24.2,25.2,27.2	6,7,8,9.3
	15,16,17	11			8,9
4W9W73	PowerPlex® Fusion 6C (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
4YHWB9	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
4Z9832	PowerPlex® Fusion 6C (STRMix)				
	15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,13,14	12,13,14,16	16,17,18,21,23	8,10,11,12,13
	13,15,16	14,15,15.2	27,29,30	11,15,16	X,Y
	20,22,23.2	9,12,13	7,10,11,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9

TABLE 2

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

Item 3e - STR Results

67ABGL	GlobalFiler™ (STRmix 2.8)					
	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	14,15,16,17,18	7,10,11,12	
3e	8,10,11,12	9,10,11,12,13,14	11,12,13,14,15,16	15,16,17,18,21	7,8,10,11,12,13	10,11,12
	12,13,14,15,16	13,14,14.2,15,15.2	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23.2			19,20,24.2,25.2,27.2	6,7,8,9,9.3	8,9
	14,15,16,17,18	11			2	
6BQHZH	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,11,14	16,18	12	
3e	11,12	10,12,14	12,13	16,18	8,11,13	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,10,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
6DWKZX	PowerPlex® Fusion 6C					
	15,15.3,17.1,17.3	17,23,[25]	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,[14],16	16,17,18,21,[23]	8,10,11,13	11,12,[14]
	13,15,16,[17]	14,15,15.2	27,29,30	[11],[12],15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11	16	17		
6EPUWE	PowerPlex® 6C					
	15,15.3,17.1,17.3	17,23	10,14	15,16,18	12	
3e	8,11,12	10,12,14	12,13,16	16,18	8,10,11,13	11,12
	13,16	14,15	27,30	15	X,Y	10,11,12
	20,22	9,13	7,10,18	20,25.2,27.2	8,9.3	8,9
	15,17	11	16	17		
6HLL3Q	GlobalFiler™					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
6PNLPY	Investigator® 24plex (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
6PR6D3	Investigator® 24plex Q.S. (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				

TABLE 2

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

Item 3e - STR Results

6VUEJV	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
74HP6A	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
79YU46	Investigator® 24plex QS (STRmix V2.4.06)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
7B3TCC	GlobalFiler™ (STRmix)				
	15,15.3,16,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,13,14,15	12,13,14,16	16,17,18,21,23	8,10,11,13
	13,15,16	12,14,15,15.2,16.2	27,29,30	11,12,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	5,6,8,9.3
	15,16,17,18	11			8,9
7EJZUK	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
7G7RPM	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
7HZHV3	Investigator® 24plex (STRMix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

7LJA86	GlobalFiler™ (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
7T2RHR	PowerPlex® Fusion 5C					
	[15],15.3,17.1,[17.3]	17,[23]	10,11,[14]	15,[16],17,[18]	7,11,[12]	
3e	[8,11],12	10,[12,14]	[12],13,[16]	[16],17,18,21	[8],10,[11,13]	11,12
	[13],15,[16]	14,[15,15.2]	[27],29,30	15,16	X,[Y]	[10,11],12
	[20],22,23.2	[9],12,13	[7],10,17,[18]		6,8,[9.3]	8,[9]
	[15],16,17,[18]	11				
7Z4KLZ	GlobalFiler™ (STRmix v2.8)					
	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	14,15,16,17,18	7,11,12,13	
3e	8,10,11,12	9,10,11,12,13,14	11,12,13,16	15,16,17,18,21	7,8,9,10,11,12,13	10,11,12
	12,13,14,15,16	13,14,15,15.2	26,27,28,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23.2			19,19.2,20,21,24.2,25.2,26.2,27.2	6,7,8,9.3	8,9
	14,15,16,17,18	10,11			2	
7Z4R2U	Investigator® 24plex (STRMix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
7ZXCBR	GlobalFiler™ (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,26.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
82EJG9	Identifiler® Plus (STRmix v2.10)					
		17,23,(25)		15,16,17,18	7,11,12	
3e	8,11,12	10,12,14,(15)			8,10,11,13	11,12,(14)
	13,15,16	14,15,15.2	27,29,30,(31)		X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					

TABLE 2

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

Item 3e - STR Results

86AUE9	GlobalFiler™ (STRmix v2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2	ND	ND	20,25.2,27.2	6,8,9.3
	15,16,17,18	11	ND	ND	2
86TP4P	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
88XJK8	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23,[25]	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,[14],16	16,17,18,21	8,10,11,13
	13,15,16,[17]	14,15,15.2	27,29,30,[31]	[11],15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
89TZX6	Investigator® 24plex QS (STRMix 2.4.06)				
3e	15,15.3,17.1,17.3,	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,17,16,18	11			8,9
8EE2U9	Identifiler® Plus (STRmix v 2.7)				
3e		17,23		15,16,17,18	7,11,12
	8,11,12	10,12,14			8,10,11,13
	13,15,16	14,15,15.2	27,29,30		X,Y
	20,22,23.2				6,8,9.3
	15,16,17,18				8,9
8EZFHL	GlobalFiler™ (STRmix v2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
8FBH77	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

8JQ42X	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			
8K48F3	GlobalFiler™ (STRmix v2.5)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
8MAVD2	Investigator® 24plex QS				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			
8NZ4C4	GlobalFiler™ (STRmix v2.8)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	-	-	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	-	-	2
8PEPNQ	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
8R84A2	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16,17	13,14,15,15.2	27,29,30,31	11,12,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
8R8CPU	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			

TABLE 2

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

Item 3e - STR Results

8T4R3R	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
8WYTVT	PowerPlex® Fusion 6C (STRmix v2.8)				
	15.3,17.1	17	10,11	15,17	7,11
3e	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X,X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
8ZXPFY	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
					2
92NPV4	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,18,21	8,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	10,11,12
	15,16,17,18	11			6,8,9.3
					8,9
					2
98FH64	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	10,11,12
	15,16,17,18	11			6,8,9.3
					8,9
					2
9EYLC7	PowerPlex® 21 (STRmix)				
	15,15.3,17.1,17.3	17,23		15,16,17,18	7,11,12
3e	8,11,12	10,12,14		16,17,18,21	11,12
	13,15,16	14,15,15.2	27,30		8,10,11,13
	20,22,23.2	9,12,13	7,10,17,18		X,Y
	15,16,17,18				10,11,12
					6,8,9.3
					8,9
9F6MZ6	PowerPlex® 5C				
	15,17.3	17,23	10,14	16,18	12
3e	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18		11,12
	15,17	11			8,9.3
					8,9

TABLE 2

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

Item 3e - STR Results

9KWRU9	GlobalFiler™				
	15,15.3,17.3	17,23	10,11,14	16,18	7,12
3e	8,11,12	10,12,14	12,13,16	16,18	8,11,13
	13,16	14,15	27,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	6,8,9.3
	15,16,17	11			2
9QBNX4	PowerPlex® Fusion 6C (STRMix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	13,14,15,15.2	27,29,30,31	15,16	X,Y
	20,21,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
9TE2JQ	GlobalFiler™ (STRmix v2.11)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
9TXPFW	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	16,17,18	7,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15	27,30	15	X,Y
	20,22,23.2			20,25.2	6,8,9.3
	15,16,17,18	11			2
9VHYQD	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
9XLUAF	PowerPlex® Fusion 5C (BP Sentry)				
	15,[15.3],[17.1],17.3	17,[23]	10,[11],14	[15],16,[17],18	[7],[11],12
3e	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y
	20,22,[23.2]	9,[12],13	7,[10],[17],18		[6],8,9.3
	15,[16],17,[18]	11			8,[9]
A2N34H	PowerPlex® Fusion 6C (STRmix)				
	15.3,17.1	17	10,11	15,17	7,11
3e	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X,X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8

TABLE 2

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

Item 3e - STR Results

A93XUK		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
ABA7AW		Investigator® 24plex (STRMix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
ADD2TZ		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
AFK7HG		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
AGGLVE		GlobalFiler™				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,15	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11			2	
AHQ8HY		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
AJMMUW		GlobalFiler™ (STRmix)				
3e	14,15,15.3,16.3,17.1,17.3,18.3	16,17,22,23	9,10,11,13,14	14,15,16,17,18	7,11,12	
	8,10,11,12	10,11,12,13,14	11,12,13,14,16	15,16,17,18,21	7,8,10,11,12,13	10,11,12
	12,13,14,15,16	13,14,15,15.2	26,27,29,30	14,15,16	X,Y	10,11,12,13
	19,20,21,22,23.2			19,19.2,20,24.2,25.2,26.2,27.2	6,7,8,9,9.3	8,9
	14,15,16,17,18	10,11			2	

TABLE 2

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

Item 3e - STR Results

ATRH6N		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,12,13	11,12,14
	13,15,16	14,15,15.2	27,29,30,31	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	9,11			2	
AU2Y99		Investigator® 24plex QS (STRmix)				
3e	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
B3UCKY		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
B7UVWT		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
BDV8TP		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
BL6LME		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11^,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21^	8,10,11,13	11,12
	13,15,16	14,15,15.2^	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
BMJ4R6		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

BRT9J6	GlobalFiler™ (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2	NT	NT	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	NT	NT	2
BW68Y6	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
BX2PVE	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15	27,29,30	15,15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
C39FVY	GlobalFiler™ (STRmix 2.8.0)				
3e	15,17.3	17,23	10,11,14	15,16,17,18	11,12
	11,12	12,14	12,13	16,18	8,10,11
	13,16	14,15,15.2	27,30	15	X,Y
	20,22,23.2			20,24.2,25.2	6,8,9.3
	15,17	11			2
C3LCYJ	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
C7MCYF	GlobalFiler™ (STRmix v2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
CH2DVA	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2

TABLE 2

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

Item 3e - STR Results

CK9PGG		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,14	15,16,17,18	7,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15	27,29,30	15,15	X,Y	10,11,12
	20,22			20,25.2,27.2	6,8,9.3	8,9
	15,17,18	11			2	
CLKN8Y		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
CNBWAM		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18,19	7,11,12	
	8,11,12	10,12,13,14	12,13,14,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12,13
	20,22,23.2			20,24.2,25.2,26.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
CNRKHN		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
CPNZUL		PowerPlex® Fusion 5C				
3e	15,15.3,[17.1],17.3	17,23	10,[11,14]	[15],16,[17,18]	7,[11],12	
	8,[11],12	10,12,14	[12],13,[16]	16,18,[21]	[8],10,[11,13]	11,12
	[13],15,[16]	14,[15,15.2]	[27,29],30	15,[16]	X,[Y]	[10],11,12
	[20],22,[23.2]	[9],12,13	7,10,17,18		[6],8,9.3	8,[9]
	[15,16],17,[18]	11				
CYLZ3J		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
CZMPWF		PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

D293LC	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
D3LRQA	GlobalFiler™				
3e	15,[15.3],[17.1],17.3	17,23	10,14	[15],16,[17],18	[7],[11],12
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3
	15,[16],17,[18]	11			2
D3MURT	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
D4EHWN	PowerPlex® Fusion 6C (STRmix)				
3e	15.3,17.1	17	10,11	15,17	7,11
	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
D6VENN	PowerPlex® Fusion 6C (STRmix 2.8)				
3e	15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,13,14	12,13,14,15,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,11,17,18	20,24.2,25.2,26.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
DAL24U	Investigator® 24plex QS (STRmix v2.4)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
DF843J	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,17,18	11	16	17	8,9

TABLE 2

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

Item 3e - STR Results

DJV7GK	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
DLXBMD	GlobalFiler™ (STRmix 2.8)				
	14,14.3,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	14,15,16,17,18	7,10,11,12
3e	8,10,11,12	9,10,11,12,13,14	11,12,13,16	15,16,17,18,21	7,8,10,11,12,13
	12,13,14,15,16	13,14,14.2,15,15.2	26,27,28,29,30	14,15,16	X,Y
	19,20,21,22,22.2,23,23.2			19,19.2,20,24.2,25,25.2,26.2,27.2	6,7,8,9.3
	14,15,16,17,18	11			8,9
DPH4YF	Identifiler® Plus				
		17,23		15,16,17,18	7,11,12
3e	8,11,12	10,12,14			8,10,11,13
	13,15,16	14,15,15.2	27,29,30		X,Y
	20,22,23.2				6,8,9.3
	15,16,17,18				8,9
DPH7NK	PowerPlex® Fusion 6C				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
DPZA4X	Investigator® 24plex Q/S (STRmix V2.4.06)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
DQDLZG	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12
3e	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	8,9.3
	15,16,17,18	11			8,9
DVMX2N	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

DXDRPX	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			2
DY4YQL	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,13,14	12,13,14,16	16,17,18,21	8,10,11,12,13
	13,15,16	14,15,15.2	27,28,29,30	11,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			2
E238FB	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11	16	17	8,9
E67QQQ	Investigator® 24plex				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			8,9
EBCMAQ	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	11,12
	11,12	10,11,12,14	11,12,13,16	16,17,18	8,10,11,13
	12,13,15,16	14,15,15.2	27,30	14,15,16	X,Y
	20,22			19,20,25.2	6,8,9,3
	15,16,17	11			8,9
EFMMM	GlobalFiler™				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9,3
	15,[16],17,[18]	11			2
EKJ673	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			2

TABLE 2

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

Item 3e - STR Results

ENGBDX	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
ENKKLX	PowerPlex® Fusion 6C (STRmix)				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y
	20,22,[23.2]	9,[12],13	7,[10],[17],18	20,[24.2],25.2,[27.2]	[6],8,9.3
	15,[16],17,[18]	11	16	17	
EUQEFU	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18,[19]	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,[9],9.3
	15,16,17,18	11			2
EX928Z	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
EZA96J	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	16,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,25.2,27.2	6,8,9.3
	15,17,18	11	16	17	
F3GQ2U	GlobalFiler™ (STRmix)				
3e	14,15,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18,19	11,12
	10,11,12	10,11,12,13,14	11,12,13,16	16,17,18,21	8,10,11,13
	12,13,15,16	13,14,15,15.2	27,29,30	14,15,16	X,Y
	19,20,21,22			19,20,24.2,25.2,27.2	7,8,9.3
	15,16,17,18	11			2
F4RTPD	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	12,12
	8,11,12	10,12,14	12,13	16,18	8,10,11
	13,16	14,15,15.2	27,29,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	8,9.3
	15,16,17,18	11			2

TABLE 2

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

Item 3e - STR Results

F7WCWL	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
F89ZA7	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
F8RUXM	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
FDED6P	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
FFLAEE	GlobalFiler™				
	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12
3e	[8],11,12	[10],12,[14]	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,[Y]
	[20],22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3
	15,[16],17,[18]	11			8,9
FNDH7X	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
FQZ7GX	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

FWMW28		PowerPlex® Fusion 5C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,17,18		6,8,9.3	8,9
	15,16,17,18	11				
G3WTKT		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
G9YJQX		GlobalFiler™ (STRmix)				
3e	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12,13	
	8,10,11,12	10,11,12,13,14	11,12,13,16	15,16,17,18,21	7,8,10,11,13	10,11,12
	12,13,15,16	13,14,15,15.2	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23,23.2			19,19.2,20,24.2,25,25.2,26.2,27.2	6,7,8,9.3	8,9
	14,15,16,17,18	11			2	
GE4YBK		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,[14],16	16,17,18,21,[23]	8,10,11,13	11,12,[14]
	13,15,16	14,15,15.2	27,29,30	[12],15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
GH4Q7X		GlobalFiler™ (STRmix v2.8)				
3e	15,15.3,17.3	17,23	10,14	16,18	7,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,30	15	X,Y	11,12
	20,22,23.2			20,25.2,27.2	6,8,9.3	8,9
	15,16,17	11			2	
GJZXYC		PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
GKTQUU		Investigator® 24plex QS (STRmix V2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				

TABLE 2

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

Item 3e - STR Results

GNFX6W		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
GTLBPU		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
GUGA2T		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
GYBFBP		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
GYCKX8		GlobalFiler™ (STRmix v2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
GYWCWK		Investigator® 24plex QS (STRmix V2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,21,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
H37Y29		GlobalFiler™ (STRmix v 2.8)				
3e	14,14.3,15,15.3,16.3,17.1,17.3	16,17,22,23,25	9,10,11,13,14,15	14,15,16,17,18	7,10,11,12,13	
	8,10,11,12	9,10,11,12,13,14,15	11,12,13,14,15,16	15,16,17,18,21,23	7,8,10,11,12,13	10,11,12,14
	12,13,14,15,16,17	13,14,14.2,15,15.2	26,27,28,29,30,31	11,12,14,15,16,17	X,Y	10,11,12
	19,20,21,22,22.2,23.2			19,19.2,20,23.2,24.2,25,25.2,26.2,27,27.2	6,7,8,8.3,9,9.3	8,9
	14,15,16,17,18	10,11			2	

TABLE 2

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

Item 3e - STR Results

H3QFHB	Identifiler® Plus					
		17,23		15,16,17,18	7,11,12	
3e	8,11,12	10,12,14,(15)			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
H4JJJJ	Investigator® 24plex (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
H4MXF7	GlobalFiler™ (BP Sentry)					
	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
3e	[8],11,12	[10],12,[13],14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,30	15,15	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11			2	
H6HWTP	GlobalFiler™ (STRmix)					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
H796UE	GlobalFiler™ (Yes)					
	15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,13,14,15	12,13,16	16,17,18,21	8,10,11,13	11,12,14
	13,15,16	12,14,15,15.2,16.2	27,29,30,31	11,15,16	X,Y	10,11,12,13
	20,22,23.2			20,24.2,25.2,27.2	5,6,8,9,9.3	8,9
	15,16,17,18	9,11			2	
H7PQDB	Identifiler® Plus					
		17,23		15,16,17,18	7,11,12	
3e	8,11,12	10,12,14			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
H7PT3F	PowerPlex® Fusion 6C					
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

H8LAFC	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			2
HARRD9	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18	8,11,13
	13,15,16	14,15,15.2	27,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	6,8,9,3
	15,17,18	11			2
HHKZ6Q	Investigator® 24plex QS (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			
HNQUYM	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	13,14,15,15.2	27,29,30	14,15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			
HPLABJ	Investigator® 24plex QS (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11			
HT6U8R	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11	16	17	
HUZD9T	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3
	15,16,17,18	11	16	17	

TABLE 2

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

Item 3e - STR Results

HV6PQA		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
HVQLAH		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	12,15,16	X,Y	10,11,12
	20,22,23.2,24			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
HYNG3C		GlobalFiler™				
3e	15,[15.3,17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7,11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9,3	8,9
	15,[16],17,[18]	11			2	
J9CRRX		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11	
	8,11,12	10,12,14	12,13,16	16,17,18,21	10,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11	16			
J9CUG3		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
JB2CL9		PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
JC7ECQ		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23,[25]	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14,[15]	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16,[17]	14,15,15.2	27,29,30	[12],15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,[9],9,3	8,9
	15,16,17,18	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 3e - STR Results

JJAEVT	GlobalFiler™					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
JL2UAQ	GlobalFiler™ (STRmix)					
3e	14,15,16.3,17.1,17.3	16,17,22,23	9,10,11,14	15,16,17,18	11,12	
	8,10,11,12	10,11,12,13,14	11,12,13,16	16,17,18	8,10,11	10,11,12
	12,13,15,16	13,14,15	27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23.2			19,20,21,24.2,25.2,27.2	6,8,9.3	8,9
	14,15,16,17	11			2	
JLX8XH	PowerPlex® Fusion 6C					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
JMA7P7	PowerPlex® Fusion 6C (BP Sentry)					
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]	9,[12],13	7,[10],[17],18	20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11	16	17		
JQW4GN	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
JRJANL	Investigator® 24plex (STRMIX)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
JRMCJC	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	15,17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12,13	10,12,14,15	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	12,14,15,15.2	27,29,30,31	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

JUBHNN	GlobalFiler™ (STRmix)				
	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12
3e	8,10,11,12	10,11,12,13,14,15	11,12,13,16	15,16,17,18,21	8,10,11,13
	12,13,15,16	13,14,15,15.2	27,29,30	14,15,16	X,Y
	19,20,21,22,23.2			19,20,24.2,25.2,27.2	8,9.3
	15,16,17,18	11			8,9
JXVYPH	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
K4BXZR	GlobalFiler™ (STRmix v2.5)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
K686QJ	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
K98DVU	GlobalFiler™				
	15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14,15	12,13,14,16	16,17,18,21,23	8,10,11,13
	13,15,16,17	13,14,15,15.2	27,29,30,31	11,12,15,16	X,Y
	20,21,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3
	15,16,17,18	11			8,9
K9RNJN	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
KBU2AF	GlobalFiler™ (strmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12,13	10,12,13,14	12,13,15,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

KC3NR9		GlobalFiler™				
3e	15,[15.3,17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7,11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11			2	
KDY447		PowerPlex® Fusion 6C				
3e	15^,15.3^,17.1^,17.3^	17,23	10,11^,14	15,16,17^,18^	7^,11^,12	
	8^,11,12	10,12,14	12^,13,16^	16,17,18,21	8,10^,11,13^	11,12
	13,15,16	14^,15,15.2^	27,29,30	15,16^	X,Y	10^,11^,12
	20,22,23.2^	9^,12^,13^	7^,10^,17^,18^	20,24.2,25.2,27.2	6^,8,9.3	8,9^
	15,16^,17,18^	11	16	17		
KLWUPF		PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
KNZHDJ		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
KPRKT8		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
KRX7LD		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
L3YTDA		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	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 3e - STR Results

LGW6G8		PowerPlex® Fusion 5C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18		6,8,9.3	8,9
	15,16,17,18	11				
LMHV9A		GlobalFiler™				
3e	15,[15.3],[17.1],17.3	17,[23]	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	10,12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,15,16	14,15,[15.2]	27,[29],30	15,[16]	X,[Y]	[10],11,12
	20,22,[23.2]			20,24.2,25.2,[27.2]	[6],8,[9.3]	8,[9]
	15,16,17,[18]	11			2	
LNEBK7		GlobalFiler™ (STRmix 2.8)				
3e	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14,15	14,15,16,17,18	7,10,11,12,13	
	8,10,11,12	9,10,11,12,13,14	11,12,13,15,16	15,16,17,18,21	8,9,10,11,12,13	10,11,12
	12,13,14,15,16	13,14,14.2,15,15.2	26,27,28,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,22.2,23.2			19,19.2,20,21,23.2,24.2,25,25.2,26.2,27.2	6,7,8,9.3	7,8,9
	2			2		
LQLQRC		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
LRG9TD		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
LTCBUG		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	[13],17,23,[25]	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12,[14]
	13,15,16,[17]	14,15,15.2	27,29,30	[11],[12],15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

LU72ZV	Identifiler® Plus (STRmix 2.10.0)				
	17,23		15,16,17,18	7,11,12	
3e	8,11,12	10,12,14		8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	X,Y	10,11,12
	20,22,23.2			6,8,9.3	8,9
	15,16,17,18				
LXJHZ7	Identifiler® Plus				
	17,23		15,16,17,18	7,11,12	
3e	8,11,12	10,12,14		8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	X,X,Y	10,11,12
	20,22,23.2			6,8,9.3	8,9
	15,16,17,18				
LYHJ7X	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11		2	8,9
LZ8DVR	PowerPlex® Fusion 6C (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
M7AEK8	PowerPlex® Fusion 6C (STRmix v. 2.8)				
	15.3,17.1	17	10,11	15,17	7,11
3e	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8
M9GJCB	GlobalFiler™				
	15,[15.3],17.1,17.3	17,[23]	10,[11],14	[15],16,17,18	[7],[11],12
3e	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]
	13,15,16	14,15,[15.2]	27,[29],30	15,[16]	X,[Y]
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3
	15,[16],17,[18]	11		2	8,[9]
MAD2A6	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11		2	8,9

TABLE 2

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

Item 3e - STR Results

MDCC76		GlobalFiler™ (STRmix v 2.4.06)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
MFHV98		GlobalFiler™				
3e	15,[15.3,17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7,11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11			2	
MM2YFA		Identifiler® Plus				
3e		17,23		15,16,17,18	7,11,12	
	8,11,12	10,12,14			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
MNCZ29		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
MY9473		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
N2F62E		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21,[23]	8,10,11,13	11,12
	13,15,16,[17]	14,15,15.2	27,29,30	[12],15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11	16	17		
N2WBEH		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16,[17]	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

N4Z7XL		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,[22.2],23.2			20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11			2	
N9VHQJ		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
N9Z87V		PowerPlex® Fusion 5C				
3e	15,[15.3],17.3	17,23	10,[11],14	[15],16,[17],18	12	
	[8],11,12	[10],12,14	12,13	16,[17],18	8,11	11,12
	13,[15],16	14,15	27,[29],30	15	X,Y	[10],11,12
	20,22	9,[12],13	7,18		[6],8,9.3	8,9
	15,[16],17	11				
NCFA3M		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
NFT8AA		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
NJDYLC		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
NK9HMD		Investigator® 24plex QS (STRMIX)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				

TABLE 2

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

Item 3e - STR Results

NKPNYW		PowerPlex® Fusion 6C (STRmix v2.6.3)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
NRQX6P		GlobalFiler™				
3e	15,15.3,17.1	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8
	15,16,17,18	11			2	
NUEKN4		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
NVQRZQ		GlobalFiler™ (STRmix v2.7)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
NWL8CM		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
NXCFDC		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,12,13	11,12
	13,15,16	12,14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	5,6,8,9.3	8,9,10
	15,16,17,18	11			2	
P6QNED		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18,19	7,11,12	
	8,11,12	10,12,13,14,15	12,13,14,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,28,29,30,31	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

P83ENG	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
PBWPP3	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	16,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15	27,29,30	15,15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	8,9.3
	15,17,18	11			2
PD4QKE	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
PK4Z6L	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23,[25]	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14,[15]	12,13,16	16,17,18,21,[23]	8,10,11,13
	13,15,16,[17]	14,15,15.2	27,29,30,[31]	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
PLY4TA	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			
PQT8EZ	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	16,18	7,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,11,13
	13,15,16	14,15,15.2	27,29,30	15,15	X,Y
	20,22,23.2			20,25.2,27.2	8,9.3
	15,17,18	11			2
PU98KL	GlobalFiler™ (STRmix v2.5)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2

TABLE 2

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

Item 3e - STR Results

PURHAZ		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
PW2BMN		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,[13],14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	[12],15,16	X,Y	[10],11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
PXNAFC		PowerPlex® Fusion 6C (STRmix)				
3e	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
PZGVHF		Investigator® 24plex (Strmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
Q234WA		PowerPlex® Fusion 6C (STRmix)				
3e	15.3,17.1	17	10,11	15,17	7,11	
	8,12	10	13,16	17,21	10,13	11,12
	15	14,15.2	29,30	15,16	X	10,12
	22,23.2	12,13	10,17	24.2,27.2	6,8	8
	16,18					
Q9LCFZ		PowerPlex® Fusion 6C				
3e	15 ^,15.3,17.1,17.3	17,23	10,11,14 ^	15,16,17,18	7,11	
	8,11,12	10,12,14	13,16	16,17,18,21	10,11 ^,13	11,12
	13 ^,15,16 ^	14,15 ^,15.2	27 ^,29,30	15,16	X,Y	10,11,12
	20 ^,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17 ^,18	11	16	17		
QC8JTL		GlobalFiler™ (STRmix v2.5)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	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 3e - STR Results

QCMURE		GlobalFiler™ (STRmix)				
		14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	14,15,16,17,18	7,11,12,13
3e		8,10,11,12	9,10,11,12,13,14,15	11,12,13,16	15,16,17,18,21	8,10,11,13
		12,13,14,15,16	13,14,15,15.2	26,27,29,30	14,15,16	10,11,12
		19,20,21,22,23.2		19,19.2,20,21,24.2,25.2,26.2,27.2	6,7,8,9.3	8,9
		14,15,16,17,18	10,11		2	
QDLC2Q		GlobalFiler™ (STRMIX)				
		15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e		8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
		13,15,16	14,15,15.2	27,29,30	15,16	10,11,12
		20,22,23.2		20,24.2,25.2,27.2	6,8,9.3	8,9
		15,16,17,18	11		2	
QER3KQ		GlobalFiler™ (STRmix)				
		15,17.3	17,23	10,14	16,18	12,12
3e		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	11,12
		20,22		20,25.2	8,9.3	8,9
		15,17	11		2	
QF8L4G		GlobalFiler™ (STRmix)				
		15,15.3,17.1,17.3	17,23,25	10,11,14	15,16,17,18	7,11,12
3e		8,11,12	10,12,13,14	12,13,14,16	16,17,18,21	8,10,11,13
		13,15,16	14,15,15.2	27,29,30	15,16	10,11,12
		20,22,23.2		20,24.2,25.2,27.2	6,8,9.3	8,9
		15,16,17,18	11		2	
QLDW2W		PowerPlex® Fusion 5C				
		15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e		8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
		13,15,16	14,15,15.2	27,29,30	15,16	10,11,12
		20,22,23.2	9,12,13	7,10,17,18	6,8,9.3	8,9
		15,16,17,18	11			
QPY4HP		Identifiler® Plus, MiniFiler (STRmix v2.10.0)				
		17,23		15,16,17,18	7,11,12	
3e		8,11,12	10,12,14		8,10,11,13	11,12
		13,15,16	14,15,15.2	27,29,30	X,Y	10,11,12
		20,22,23.2			6,8,9.3	8,9
		15,16,17,18				
QRHQ2J		GlobalFiler™ (STRmix)				
		15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e		8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
		13,15,16	14,15,15.2	27,29,30	15,16	10,11,12
		20,22,23.2		20,24.2,25.2,27.2	6,8,9.3	8,9
		15,16,17,18	11		2	

TABLE 2

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

Item 3e - STR Results

QU9Y39		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	-	-	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	-	-	2	
QV4Z2P		Identifiler® Plus (STRmix v2.10)				
3e	17,23			15,16,17,18	7,11,12	
	8,11,12	10,12,14,(15)			8,10,11,13	11,12,(14)
	13,15,16	14,15,15.2	27,29,30,(31)		X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
QVYTQG		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
QWUBTH		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14,[15]	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
QX7XCH		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
QXP7M2		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
R6723V		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

RABXMV	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
RJLAPK	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
RMJ98H	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
RQNPPL	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
RU34W8	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
RUYLU3	PowerPlex® ESI16				
3e	15,17.3	17,23	10,14	16,18	
		12,14	12,13	16,18	11,12
	13,16	14,15	27,30	15	X,Y
	20,22				8,9.3
	15,17				
RYCBH7	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			

TABLE 2

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

Item 3e - STR Results

TABHPP	Investigator® 24plex QS (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3e	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
TB7Q88	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
TE9PHY	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
TGDEK9	Investigator® 24plex (STRMix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
TZ6FNX	GlobalFiler™				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
TZ9XQ3	GlobalFiler™ (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
U47Q96	Investigator® 24plex (STRmix)				
	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
3e	8,11,12	10,11,12,13,14	11,12,13,16	16,17,18,21	8,10,11,13
	13,14,15,16	14,15,15.2	27,29,30	14,15,16	X,Y
	20,21,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9

TABLE 2

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

Item 3e - STR Results

U6D97Z	Investigator® 24plex QS (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
UE267F	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,14	15,16,17,18	7,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
UJY2X9	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14,15	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
UK7Y3W	PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	11,15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
ULKAWV	GlobalFiler™ (STRmix v2.5.11)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,15	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
UNP6CR	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
UUGZNX	PowerPlex® Fusion 6C (STRMix v2.8)				
3e	15.3,17.1	17	10,11	15,17	7,11
	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				8

TABLE 2

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

Item 3e - STR Results

UVCJPY	PowerPlex® Fusion 6c (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	8,9.3
	15,16,17,18	11	16	17	
UWJB9Z	GlobalFiler™ (STRMix)				
3e	15,17.1,17.3	17,23	10,14	16,18	7,12
	8,11,12	12,14	12,13	16,18	8,11
	13,15,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2,27.2	8,9.3
	15,17	11			2
UYCWB4	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
V3LJBL	PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
V8WU4F	GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
VBKUUX	PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15.3,17.1	17	10,11	15,17	7,11
	8,12	10	13,16	17,21	10,13
	15	14,15.2	29,30	15,16	X,X
	22,23.2	12,13	10,17	24.2,27.2	6,8
	16,18				
VCCNGL	Identifiler® Plus (STRmix v 2.10.0)				
3e		17,23,[25]		15,16,17,18	7,11,12
	8,11,12	10,12,14,[15]			8,10,11,13
	13,15,16	14,15,15.2	27,29,30		X,Y
	20,22,23.2				6,8,9.3
	15,16,17,18				8,9

TABLE 2

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

Item 3e - STR Results

VHHPQB		Investigator® 24plex (STRMix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
VJUUF		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
VN6L97		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
VVMUW3		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
VYJLZT		GlobalFiler™ (BP Sentry)				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	N/A
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,15	X,Y	[10],11,12
	20,22,[23.2]	N/A	N/A	20,25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11	N/A	N/A	2	
VZE2DQ		Investigator® 24plex QS				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,[16]	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11				
W24F7D		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

W298BV		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
W2R4MV		PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
W4W28G		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
W8D2BJ		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23,[25]	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14,[15]	12,13,[14],16	16,17,18,21,[23]	8,10,11,13	11,12,[14]
	13,15,16,[17]	14,15,15.2	27,29,30,[31]	[11,12],15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,[9],9.3	8,9
	15,16,17,18	11			2	
W99JDK		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
WEEFWK		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
WF9NV9		GlobalFiler™ (STRmix)				
3e	14,15,15.3,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12	
	8,10,11,12	9,10,11,12,13,14,15	11,12,13,14,16	15,16,17,18,21	7,8,10,11,13	10,11,12
	12,13,14,15,16	13,14,15,15.2	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23,23.2			19,19.2,20,24.2,25,25.2,27.2	6,7,8,9.3	8,9
	14,15,16,17,18	10,11			2	

TABLE 2

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

Item 3e - STR Results

WJNY9C		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12,14
	13,15,16	14,15,15.2	27,29,30,31	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
WMNR4P		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
WPUT49		GlobalFiler™ (STRMix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	
WUP4ZM		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,12	
	8,11,12	10,12,14	12,13,16	16,18	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,3	8,9
	15,17	11	16	17		
WZCQYY		GlobalFiler™				
3e	15,[15.3],[17.1],17.3	INC	10,[11],[14]	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,[10],11,[13]	11,12
	13,15,16	14,15,[15.2]	27,[29],30	15,[16]	X,[Y]	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9,3	8,9
	15,[16],17,[18]	11			2	
X24ABJ		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	-
	8,11,12	10,12,[13],14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,[14],15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	-	-	20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11	-	-	2	
X7VJJW		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

XAY3UC		Investigator® 24plex QS (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
XCZVEE		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
XHBYGB		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
XHNZC6		PowerPlex® Fusion 6C (STRMix 2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
XJ4C22		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
XMMWWA		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
XT9YUE		GlobalFiler™ (STRmix v2.5)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	

TABLE 2

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

Item 3e - STR Results

XU67K7		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
XX329V		Identifiler® Plus				
3e		17,23		15,16,17,18	7,11,12	
	8,11,12	10,12,14			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,X,Y	10,11,12
	20,22,23.2				6,8,9.3	8,9
	15,16,17,18					
XXZERG		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,[21],24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	[10],11			2	
Y3UUHF		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,13,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
Y4N779		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
Y6U7BU		GlobalFiler™ (STRmix)				
3e	15,[15.3],[17.1],17.3	17,23	10,[11],14	16,[17],18	[7],[11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,[17],18,[21]	8,11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,30	15	X,Y	[10],11,12
	20,22			20,[24.2],25.2	[6],8,9.3	8,9
	15,17,[18]	11			2	
YABYG9		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		

TABLE 2

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

Item 3e - STR Results

YCK84U	PowerPlex® Fusion 6C (STRmix v2.8)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	
YGBQYX	Identifiler® Plus				
3e		17,23		15,16,17,18	7,11,12
	8,11,12	10,12,14			8,10,11,13
	13,15,16	14,15,15.2	27,29,30		X,Y
	20,22,23.2				6,8,9.3
	15,16,17,18				8,9
YH84HJ	GlobalFiler™ (STRmix)				
3e	15,17.1,17.3	17,23	10,14	16,17,18	12
	11,12	10,12,13,14	12,13	16,18	8,11,13
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
YHMF92	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2
YJXHVZ	Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			8,9
YJZJM7	PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11	16	17	8,9
YN3RKB	GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3
	15,16,17,18	11			2

TABLE 2

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

Item 3e - STR Results

YQCBXJ		Investigator® 24plex QS				
3e	15,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18	8,10,11	11,12
	13,15,16	14,15,15.2	27,30	15,16	X,Y	10,11,12
	20,22,23.2			20,25.2	6,8,9.3	8,9
	15,16,17,18	11				
YR9QAG		GlobalFiler™ (STRmix 2.8.0)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	NT
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	NT	NT	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	NT	NT	2	
YU4ZTX		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
YVRKBM		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
Z2DXR2		PowerPlex® Fusion 6C (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
Z368K4		Investigator® 24plex (STRmix)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
Z3AW2E		PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL), FAMILIAS VERSION 3.3.1, YHRD.ORG)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	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 3e - STR Results

Z46DDC	PowerPlex® Fusion 6C (STRmix)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
Z4L2LD	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
Z8F8UN	PowerPlex® 5C (BP Sentry)					
3e	15,[15.3],[17.1],17.3	17,[23]	10,[11],14	[15],16,[17],18	[7],[11],12	
	[8],11,12	[10],12,[13],14	12,13,[16]	16,18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,[29],30	15,15	X,Y	[10],11,12
	20,22,[23.2]	9,[12],13	7,[10],[17],18		[6],8,9.3	8,9
	15,[16],17,[18]	11				
Z9CM7K	Investigator® 24plex QS					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
ZBEKER	GlobalFiler™ (STRmix v2.4.06)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
ZBJ3DQ	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
ZE2Z89	GlobalFiler™ (STRmix)					
3e	14,15,16.3,17.1,17.3	16,17,22,23	9,10,11,13,14	15,16,17,18	7,11,12	
	8,10,11,12	10,11,12,13,14	11,12,13,16	16,17,18,21	8,10,11,13	10,11,12
	12,13,15,16	13,14,15,15.2	26,27,29,30	14,15,16	X,Y	10,11,12
	20,21,22,23.2			19,20,21,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	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 3e - STR Results

ZFGPLZ	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12,13	
	8,11,12	10,12,13,14,15	12,13,14,16	16,17,18,21	8,10,11,12,13	11,12,14
	13,15,16,17	13,14,15,15.2	27,29,30,31	11,12,15,16	X,Y	10,11,12
	20,21,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	11			2	
ZFH8GW	Investigator® 24plex (STRmix V2.4.06)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	11				
ZFT7EQ	PowerPlex® Fusion 6C (STRmix v 2.8)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	11	16	17		
ZFVQDM	PowerPlex® Fusion 5C					
3e	15,15.3,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18	8,11,13	11,12
	13,15,16	14,15	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,18		8,9,9.3	8,9
	15,16,17	11				
ZMBPMR	Identifiler® Plus					
3e		17,23		15,16,17,18	7,11,12	
	8,11,12	10,12,14			8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30		X,X,Y	10,11,12
	20,22,23.2				6,8,9,9.3	8,9
	15,16,17,18					
ZQXLB4	GlobalFiler™ (STRmix)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	11			2	
ZR3V4F	GlobalFiler™ (TrueAllele)					
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9,9.3	8,9
	15,16,17,18	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 3e - STR Results

ZWH7GJ		PowerPlex® Fusion 6C				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2	9,12,13	7,10,17,18	20,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11	16	17		
ZXXVVB		GlobalFiler™				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14,[15]	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30,[31]	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11			2	
ZZ39AB		Investigator® 24plex QS (STRmix v2.4)				
3e	15,15.3,17.1,17.3	17,23	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,14	12,13,16	16,17,18,21	8,10,11,13	11,12
	13,15,16	14,15,15.2	27,29,30	15,16	X,Y	10,11,12
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	11				
ZZ6B62		GlobalFiler™ (STRmix)				
3e	15,15.3,17.1,17.3,18.3	17,23,25	10,11,14	15,16,17,18	7,11,12	
	8,11,12	10,12,13,14,15	12,13,16	16,17,18,21	8,10,11,13	11,12,14
	13,15,16	14,15,15.2	27,29,30,31	15,16,17	X,Y	10,11,12,13
	20,22,23.2			20,24.2,25.2,27.2	6,8,9.3	8,9
	15,16,17,18	10,11			2	

TABLE 2

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

Item 3sp - STR Results

239Q97	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
24YH8B	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
28Z8CJ	Investigator® 24plex QS					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
29ACNM	GlobalFiler™ (GeneMapper ID-X 1.6)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2CQHLH	Investigator® 24plex QS					
3sp	15,17.3	17,23	10,14	16,18	12	N/A
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	N/A	N/A	20,25.2	8,9.3	8,9
	15,17	11	N/A	N/A	N/A	
2DPKFT	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2M8ED8	Investigator® 24plex QS					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

2NLQ6K	GlobalFiler™ (BulletProof Sentry)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2PHMRE	Identifiler® Plus					
		17,23		16,18	12,12	
3sp	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
2UQKAE	GlobalFiler™ (STRMix)					
	15,17.3	17,23	10,14	16,17,18	12	
3sp	11,12	12,13,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2UTPUA	GlobalFiler™ (STRmix v2.5)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2VKWX8	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
2VN778	Investigator® 24plex QS (TrueAllele)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
2ZWCGQ	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		

TABLE 2

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

Item 3sp - STR Results

34T64U	PowerPlex® Fusion 5C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,[14]	12,13	16,18	8,11
	13,16	14,15	27,30	15	[X],Y
	20,22	9,13	7,18	8,9.3	8,9
	15,17	11			
34UKC7	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
36QHMF	GlobalFiler™ (GeneMapper ID-X 1.7.3)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
38WLC3	GlobalFiler™ (STRmix)				
	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12
3sp	10,11,12	11,12,13,14	11,12,13	16,17,18	8,10,11
	12,13,15,16	13,14,15	27,29,30	14,15,16	X,Y
	19,20,21,22			19,19.2,20,24.2,25.2	8,9.3
	14,15,16,17	10,11			2
3AGRYY	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	N/A
3AZ4QX	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	10,12,13,14,15	12,13	16,18	8,11
	13,16	12,14,15	27,30	15	X,Y
	20,22			20,21,25.2,26.2	8,9.3
	15,17	11			1,2
3BRW9G	PowerPlex® 6C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	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 3sp - STR Results

3JLYCE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3K3XUH	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	10,12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3MLA8E	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
3Q8Q98	Investigator® 24plex QS (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
3U4G77	GlobalFiler™ (STRmix)					
	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12	
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,20,21,24.2,25.2	7,8,9.3	8,9
	14,15,16,17	11			2	
3VNFLA	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
3XNLP2	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

3ZVAF7	GlobalFiler™ (STRMIX)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
42L9XV	PowerPlex® Fusion 6C					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4E8NYA	PowerPlex® Fusion 6C (CODIS)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4J2HWB	GlobalFiler™ (STRmix)					
	14,15,16.3,17.3	16,17,22,23	9,10,13,14	15,16,17,18	11,12,13	
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,19.2,20,24.2,25,25.2	7,8,9.3	8,9
	14,15,16,17	11			2	
4JZD98	GlobalFiler™ (STRmix v2.5)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
4L9ZV8	GlobalFiler™ (STRmix 2.8.0)					
	15,17.3	17,23	10,14	16,18	12,12	Not tested
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	Not tested	Not tested	20,25.2	8,9.3	8,9
	15,17	11	Not tested	Not tested	2	
4NEHVN	Identifiler® Plus					
		17,23		16,18	12,12	
3sp	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					

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 3sp - STR Results

4RZV6R	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4TP26V	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
4VXLZ6	GlobalFiler™ (STRmix)					
	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12	
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12
	12,13,15,16	13,14,15	27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,20,24.2,25.2	8,9.3	8,9
	14,15,16,17	11			2	
4W9W73	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
4YHWB9	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
4Z9832	PowerPlex® Fusion 6C (STRMix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
67ABGL	GlobalFiler™ (STRmix 2.8)					
	14,14.2,15,16.3,17.1,17.3	16,17,22,23	9,10,13,14,15	15,16,17,18	11,12,13	
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,19.2,20,21,24.2,25.2	7,8,8.3,9.3	8,9
	14,15,16,17	10,11			2	

TABLE 2

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

Item 3sp - STR Results

6BQHZE	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
6DWKZX	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	[7],12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
6EPUWE	PowerPlex® 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
6HLL3Q	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
6PNLPY	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
6PR6D3	Investigator® 24plex Q.S. (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
6VUEJV	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 3sp - STR Results

74HP6A	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
79YU46	Investigator® 24plex QS (STRmix V2.4.06)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
7B3TCC	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,17,18	12
3sp	11,12	10,12,13,14	12,13	16,18	8,11
	13,16	12,14,15	27,30	12,15	X,Y
	20,22			20,21,25.2	5,8,9.3
	15,17	11			2
7EJZUK	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
7G7RPM	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
7HZHV3	Investigator® 24plex (STRMix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
7LJA86	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	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 3sp - STR Results

7T2RHR		PowerPlex® Fusion 5C				
3sp		15,17.3	17,23	[10],14	16,18	12
		11,12	12,14	[12],13	16,18	[8],11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	[7],18	8,9.3	11,12
		15,[17]	11			8,9
7Z4KLZ		GlobalFiler™ (STRmix v2.8)				
3sp		14,14.2,15,16.3,17.1,17.3	16,17,22,23	9,10,13,14	15,16,17,18,19	11,12
		10,11,12	10,11,12,13,14,15	11,12,13	15,16,17,18,19	7,8,10,11
		12,13,15,16	13,14,15	26,27,28,29,30	14,15,16	10,11,12
		19,20,21,22		19,19.2,20,21,24.2,25.2,25.2,26.2	7,8,8.3,9.3	7,8,9
		14,15,16,17	9,10,11		2	
7Z4R2U		Investigator® 24plex (STRMix)				
3sp		15,17.3	17,23	10,14	15,16,17,18	11,12
		11,12	12,14	12,13	16,17,18,21	8,10,11
		13,15,16	14,15	27,29,30	15,16	X,Y
		20,22			20,24.2,25.2	10,11,12
		15,16,17	11		8,9.3	8,9
7ZXCBR		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	10,12,14,15	12,13	16,18	8,11
		13,16	12,14,15	27,30	15	X,Y
		20,22			20,25,25.2	11,12
		15,17	11		5,8,9.3	8,9
82EJG9		Identifiler® Plus (STRmix v2.10)				
3sp			17,23	16,18	12,12	
		11,12	12,14		8,11	11,12
		13,16	14,15	27,30	X,Y	11,12
		20,22			8,9.3	8,9
		15,17				
86AUE9		GlobalFiler™ (STRmix v2.4.06)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22	ND	ND	20,25.2	11,12
		15,17	11	ND	ND	8,9
86TP4P		Investigator® 24plex (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	11,12
		15,17	11		8,9.3	8,9

TABLE 2

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

Item 3sp - STR Results

88XJK8	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
89TZX6	Investigator® 24plex QS (STRMix 2.4.06)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8EE2U9	Identifiler® Plus (STRmix v 2.7)					
		17,23		16,18	12	
3sp	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
8EZFHL	GlobalFiler™ (STRmix v2.4.06)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8FBH77	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8JQ42X	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8K48F3	GlobalFiler™ (STRmix v2.5)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

8MAVD2	Investigator® 24plex QS					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8NZ4C4	GlobalFiler™ (STRmix v2.8)					
	15,17.3	17,23	10,14	16,18	12,12	-
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	
8PEPNQ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8R84A2	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
8R8CPU	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8T4R3R	Investigator® 24plex (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
8WYTVT	PowerPlex® Fusion 6C (STRmix v2.8)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 3sp - STR Results

8ZXPFY	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
92NPV4	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
98FH64	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9EYLC7	PowerPlex® 21 (STRmix)					
	15,17.3	17,23		16,18	12,12	11,12
3sp	11,12	12,14		16,18	8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17					
9F6MZ6	PowerPlex® 5C					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
9KWRU9	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9QBNX4	PowerPlex® Fusion 6C (STRMix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 3sp - STR Results

9TE2JQ	GlobalFiler™ (STRmix v2.11)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9TXPFW	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9VHYQD	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
9XLUAF	PowerPlex® Fusion 5C (BP Sentry)					
3sp	15,17.3	17,23	10,14	16,[17],18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	[15],17	11				
A2N34H	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
A93XUK	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ABA7AW	Investigator® 24plex (STRMix)					
3sp	15,17.3	17,23	10,14	15,16,17,18	11,12	
	11,12	10,12,14	12,13	16,17,18	8,10,11	11,12
	13,15,16	14,15	27,29,30	15,16	X,Y	10,11,12
	20,22			20,24.2,25.2	8,9.3	8,9
	15,16,17	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 3sp - STR Results

ADD2TZ	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AFK7HG	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AGGLVE	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
AHQ8HY	PowerPlex® Fusion 6C (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
AJMMUW	GlobalFiler™ (STRmix)					
	14,15,15.3,16.3,17.3	16,17,18,22,23	9,10,13,14	15,16,17,18	11,12	
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,19.2,20,24.2,25,25.2	7,8,9.3	7,8,9
	14,15,16,17	10,11			2	
ATRH6N	GlobalFiler™ (STRmix)					
	15,17.1,17.3	17,23	10,14	16,17,18	12	
3sp	11,12	12,13,14,15	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25,25.2,26.2	8,9.3	8,9
	15,17	11			2	
AU2Y99	Investigator® 24plex QS (STRmix)					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				

TABLE 2

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

Item 3sp - STR Results

B3UCKY		PowerPlex® Fusion 6C (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
B7UVWT		Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
BDV8TP		Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
BL6LME		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
BMJ4R6		GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
BRT9J6		GlobalFiler™ (STRmix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12,12	NT
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	NT	NT	20,25.2	8,9.3	8,9
	15,17	11	NT	NT	2	
BW68Y6		GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

BX2PVE		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
C39FVY		GlobalFiler™ (STRmix 2.8.0)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
C3LCYJ		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
C7MCYF		GlobalFiler™ (STRmix v2.4.06)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
CH2DVA		GlobalFiler™				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
CK9PGG		GlobalFiler™				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
CLKN8Y		PowerPlex® Fusion 6C (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	

TABLE 2

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

Item 3sp - STR Results

CNBWAM	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,13,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			19.2,20,25.2	8,9.3
	15,17	11			2
CNRKHN	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
CPNZUL	PowerPlex® Fusion 5C				
	[15],17.3	17,23	10,14	16,18	12
3sp	11,[12]	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18		8,9.3
	15,17	11			
CYLZ3J	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
CZMPWF	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
D293LC	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
D3LRQA	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	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 3sp - STR Results

D3MURT	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
D4EHWN	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
D6VENN	PowerPlex® Fusion 6C (STRmix 2.8)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
DAL24U	Investigator® 24plex QS (STRmix v2.4)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
DF843J	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
DJV7GK	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
DLXBMD	GlobalFiler™ (STRmix 2.8)					
3sp	14,14.2,15,16.3,17.1,17.3	16,17,22,23	9,10,13,14,15	15,16,17,18	11,12,13	
	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22,23			19,19.2,20,24.2,25,25.2,26.2	7,8,8.3,9.3	8,9
	14,15,16,17	10,11			2	

TABLE 2

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

Item 3sp - STR Results

DPH4YF	Identifiler® Plus				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				8,9
DPH7NK	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
DPZA4X	Investigator® 24plex Q/S (STRmix V2.4.06)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
DQDLZG	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
DVMX2N	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
DXDRPX	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
DY4YQL	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,13,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9

TABLE 2

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

Item 3sp - STR Results

E238FB	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
E67QQQ	Investigator® 24plex					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
EBCMAQ	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
EFMMMG	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
EKJ673	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ENGBDX	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
ENKKLX	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 3sp - STR Results

EUQEFU		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	10,12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
EX928Z		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
EZA96J		PowerPlex® Fusion 6C (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
F3GQ2U		GlobalFiler™ (STRmix)				
3sp	14,15,16.3,17.3	16,17,22,23	9,10,13,14	15,16,17,18	11,12	
	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12,13
	19,20,21,22			19,20,24.2,25.2	8,9.3	8,9
	14,15,16,17	11,12			2	
F4RTPD		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
F7WCWL		Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	6,8,9.3	8,9
	15,17	11				
F89ZA7		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3sp - STR Results

F8RUXM	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
FDED6P	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
FFLAEE	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
FNDH7X	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
FQZ7GX	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
FWMW28	PowerPlex® Fusion 5C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18		8,9.3
	15,17	11			8,9
G3WTKT	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9

TABLE 2

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

Item 3sp - STR Results

G9YJQX		GlobalFiler™ (STRmix)				
3sp	14,15,16,3,17,3	16,17,22,23	9,10,13,14	15,16,17,18	11,12	
	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,19.2,20,24.2,25,25.2	7,8,9.3	8,9
	14,15,16,17	11			2	
GE4YBK		PowerPlex® Fusion 6C				
3sp	15,17,3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
GH4Q7X		GlobalFiler™ (STRmix v2.8)				
3sp	15,17,3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GJZXYC		PowerPlex® Fusion 6C (STRmix v2.8)				
3sp	15,17,3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
GKTQUU		Investigator® 24plex QS (STRmix V2.4.06)				
3sp	15,17,3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
GNFX6W		GlobalFiler™ (STRmix)				
3sp	15,17,3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
GTLBPU		GlobalFiler™ (STRmix)				
3sp	15,17,3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

GUGA2T		PowerPlex® Fusion 6C (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
GYBFBP		GlobalFiler™				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
GYCKX8		GlobalFiler™ (STRmix v2.4.06)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
GYWCWK		Investigator® 24plex QS (STRmix V2.4.06)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			
H37Y29		GlobalFiler™ (STRmix v 2.8)				
3sp		14,14.2,15,16,16.3,17.1,17.3	16,17,22,23	9,10,13,14	15,16,17,18	11,12,13
		10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11,12
		12,13,14,15,16	13,14,15	26,27,29,30	13,14,15,16	X,Y
		19,20,21,22,23			18,19,19.2,20,24.2,25.25.2	7,8,8.3,9.3
		14,15,16,17	10,11			2
H3QFHB		Identifiler® Plus				
3sp			17,23		16,18	12,12
		11,12	12,14			8,11
		13,16	14,15	27,30		X,Y
		20,22				8,9.3
		15,17				
H4JJUJ		Investigator® 24plex (STRmix)				
3sp		15,17.3	17,23	10,14	15,16,17,18	11,12
		11,12	10,12,14	12,13	16,17,18	8,10,11
		13,15,16	14,15	27,29,30	15,16	X,Y
		20,22			20,24.2,25.2	8,9.3
		15,16,17	11			

TABLE 2

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

Item 3sp - STR Results

H4MXF7	GlobalFiler™ (BP Sentry)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
H6HWTP	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
H796UE	GlobalFiler™ (Yes)				
	15,17.3	17,23	10,14	16,17,18	12
3sp	11,12	10,12,13,14	12,13	16,18	8,11
	13,16	12,14,15	27,30	12,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
H7PQDB	Identifiler® Plus				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
H7PT3F	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
H8LAFC	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
HARRD9	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2

TABLE 2

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

Item 3sp - STR Results

HHKZ6Q	Investigator® 24plex QS (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	10,12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
HNQUYM	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
HPLABJ	Investigator® 24plex QS (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
HT6U8R	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
HUZD9T	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
HV6PQA	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
HVQLAH	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14,15	16,18	12
3sp	11,12	12,13,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11,12			8,9

TABLE 2

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

Item 3sp - STR Results

HYNG3C		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	[7],12	
	11,12	[10],12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
J9CRRX		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
J9CUG3		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JB2CL9		PowerPlex® Fusion 6C (STRmix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
JC7ECQ		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JJA EVT		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
JL2UAQ		GlobalFiler™ (STRmix)				
3sp	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12	
	10,11,12	11,12,13,14,15	11,12,13	15,16,17,18	8,11	10,11,12
	12,13,15,16	13,14,15	27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,20,24.2,25.2	8,9.3	8,9
	14,15,16,17	11			2	

TABLE 2

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

Item 3sp - STR Results

JLX8XH	PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
JMA7P7	PowerPlex® Fusion 6C (BP Sentry)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
JQW4GN	GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
JRJANL	Investigator® 24plex (STRMIX)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
JRMCJC	GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	10,12,13,14	12,13	16,18	8,11
	13,16	12,12.2,14,15	27,30	15	X,Y
	20,22			20,21,25.2	8,9.3
	15,17	11			2
JUBHNN	GlobalFiler™ (STRmix)				
3sp	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12
	10,11,12	11,12,13,14	11,12,13	16,17,18	8,11
	13,15,16	13,14,15	27,30	14,15	X,Y
	19,20,21,22			19,20,24.2,25.2	8,9.3
	15,16,17	11			2
JXVYPH	Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	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 3sp - STR Results

K4BXZR	GlobalFiler™ (STRmix v2.5)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K686QJ	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K98DVU	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
K9RNJN	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
KBU2AF	GlobalFiler™ (strmix)					
3sp	15,17.3	17,23	10,14	16,17,18	12	
	11,12	12,14,15	12,13	16,18	8,11	11,12
	13,16	14,15	27,29,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	10,11			2	
KC3NR9	GlobalFiler™					
3sp	15,[15.3,17.1],17.3	17,23	10,[11],14	[15],16,[17],18	[7,11],12	
	[8],11,12	[10],12,14	12,13,[16]	16,18,[21]	8,[10],11,[13]	11,12
	13,[15],16	14,15,[15.2]	27,30	15	X,Y	[10],11,12
	20,22,[23.2]			20,[24.2],25.2,[27.2]	[6],8,9.3	8,9
	15,[16],17,[18]	11			2	
KDY447	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		

TABLE 2

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

Item 3sp - STR Results

KLWUPF		PowerPlex® Fusion 6C (STRmix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
KNZHDJ		Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
KPRKT8		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
KRX7LD		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
L3YTDA		GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
LGW6G8		PowerPlex® Fusion 5C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	11				
LMHV9A		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3sp - STR Results

LNEBK7	GlobalFiler™ (STRmix 2.8)				
	14,15,16,3,17,3	16,17,22,23	9,10,13,14,15	15,16,17,18	11,12
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y
	19,20,21,22			19,19.2,20,21,24.2,25.2	7,8,8.3,9.3
	14,15,16,17	10,11			2
LQLQRC	PowerPlex® Fusion 6C				
	15,17,3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
LRG9TD	GlobalFiler™				
	15,17,3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
LTCBUG	PowerPlex® Fusion 6C				
	15,17,3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
LU72ZV	Identifiler® Plus (STRmix 2.10.0)				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
LXJHZ7	Identifiler® Plus				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
LYHJ7X	GlobalFiler™				
	15,17,3	17,23	10,14	16,18	12
3sp	11,12	12,13,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2

TABLE 2

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

Item 3sp - STR Results

LZ8DVR	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
M7AEK8	PowerPlex® Fusion 6C (STRmix v. 2.8)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
M9GJCB	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
MAD2A6	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
MDCC76	GlobalFiler™ (STRmix v 2.4.06)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
MFHV98	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
MM2YFA	Identifiler® Plus				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				

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 3sp - STR Results

MNCZ29	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
MY9473	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
N2F62E	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
N2WBEH	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
N4Z7XL	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
N9VHQJ	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
N9Z87V	PowerPlex® Fusion 5C					
3sp	15,17.3	17,23	10,14	[15],16,[17],18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	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 3sp - STR Results

NCFA3M		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
NFT8AA		Investigator® 24plex (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			
NJDYLC		Investigator® 24plex (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			
NK9HMD		Investigator® 24plex QS (STRMIX)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			
NKPNYW		PowerPlex® Fusion 6C (STRmix v2.6.3)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
NRQX6P		GlobalFiler™				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	{10},12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
NUEKN4		PowerPlex® Fusion 6C (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	

TABLE 2

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

Item 3sp - STR Results

NVQRZQ		GlobalFiler™ (STRmix v2.7)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
NWL8CM		PowerPlex® Fusion 6C (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22	9,13	7,18	20,25.2	8,9.3
		15,17	11	16	17	
NXCFDC		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
P6QNED		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,13
		11,12	12,13,14,15	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			19.2,20,25.2	8,9.3
		15,17	11			2
P83ENG		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
PBWPP3		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2
PD4QKE		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			2

TABLE 2

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

Item 3sp - STR Results

PK4Z6L	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
PLY4TA	15,17	11			2
	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
PQT8EZ	20,22			20,25.2	8,9.3
	15,17	11			2
	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
PU98KL	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
	GlobalFiler™ (STRmix v2.5)				
	15,17.3	17,23	10,14	16,18	12
PURHAZ	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
	GlobalFiler™				
PW2BMN	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
PXNAFC	PowerPlex® Fusion 6C				
	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	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 3sp - STR Results

PZGVHF	Investigator® 24plex (Strmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
Q234WA	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Q9LCFZ	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
QC8JTL	GlobalFiler™ (STRmix v2.5)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QCMURE	GlobalFiler™ (STRmix)					
3sp	14,14.2,15,16,16.3,17.3	16,17,22,23	9,10,13,14	15,16,17,18	11,12,13	
	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12,13
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	19,20,21,22			19,19.2,20,24.2,25.2	7,8,9.3	8,9
	14,15,16,17	10,11			2	
QDLC2Q	GlobalFiler™ (STRMIX)					
3sp	15,17.1,17.3	17,23	10,14	16,18	12	
	11,12	10,12,14	12,13	16,18,21	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QER3KQ	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3sp - STR Results

QF8L4G	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22,23.2			20,25.2	8,9.3
	15,17	11			2
QLDW2W	PowerPlex® Fusion 5C				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18		8,9.3
	15,17	11			
QPY4HP	Identifiler® Plus, MiniFiler (STRmix v2.10.0)				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
QRHQ2J	GlobalFiler™ (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
QU9Y39	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	-	-	20,25.2	8,9.3
	15,17	11	-	-	2
QV4Z2P	Identifiler® Plus (STRmix v2.10)				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
QVYTQG	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2

TABLE 2

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

Item 3sp - STR Results

QWUBTH		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
QX7XCH		PowerPlex® Fusion 6C (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
QXP7M2		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
R6723V		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
RABXMV		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
RJLAPK		GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
RMJ98H		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18,[19]	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3sp - STR Results

RQNPPL	PowerPlex® Fusion 6C (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
RU34W8	GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
RUYLU3	PowerPlex® ESI16				
3sp	15,17.3	17,23	10,14	16,18	
		12,14	12,13	16,18	11,12
	13,16	14,15	27,30	15	X,Y
	20,22				8,9.3
	15,17				
RYCBH7	Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
TABHPP	Investigator® 24plex QS (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
TB7Q88	Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
TE9PHY	PowerPlex® Fusion 6C (STRmix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	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 3sp - STR Results

TGDEK9		Investigator® 24plex (STRMix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
TZ6FNX		GlobalFiler™				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
TZ9XQ3		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
U47Q96		Investigator® 24plex (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
U6D97Z		Investigator® 24plex QS (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12,12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15,15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
UE267F		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9
UJY2X9		GlobalFiler™ (STRmix)				
3sp		15,17.3	17,23	10,14	16,18	12
		11,12	12,13,14	12,13	16,18	8,11
		13,16	14,15	27,30	15	X,Y
		20,22			20,25.2	8,9.3
		15,17	11			8,9

TABLE 2

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

Item 3sp - STR Results

UK7Y3W		PowerPlex® Fusion 6C (STRmix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
ULKAWV		GlobalFiler™ (STRmix v2.5.11)				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UNP6CR		PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
UUGZNX		PowerPlex® Fusion 6C (STRMix v2.8)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
UVCJPY		PowerPlex® Fusion 6c (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
UWJB9Z		GlobalFiler™ (STRMix)				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
UYCWB4		GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11,11			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 3sp - STR Results

V3LJBL	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
V8WU4F	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
VBKUUX	PowerPlex® Fusion 6C (STRmix v2.8)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
VCCNGL	Identifiler® Plus (STRmix v 2.10.0)					
3sp		17,23		16,18	12,12	
	11,12	12,14			8,11	11,12
	13,16	14,15	27,30		X,Y	11,12
	20,22				8,9.3	8,9
	15,17					
VHHPQB	Investigator® 24plex (STRMix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
VJUUFD	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
VN6L97	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 3sp - STR Results

VVMUW3	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
VYJLZT	GlobalFiler™ (BP Sentry)					
3sp	15,17.3	17,23	10,14	16,18	12,12	N/A
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	N/A	N/A	20,25.2	8,9.3	8,9
	15,17	11	N/A	N/A	2	
VZE2DQ	Investigator® 24plex QS					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
W24F7D	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18,[19]	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
W298BV	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
W2R4MV	PowerPlex® Fusion 6C (STRmix v2.8)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
W4W28G	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	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 3sp - STR Results

W8D2BJ	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12,12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
W99JDK	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WEEFWK	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WF9NV9	GlobalFiler™ (STRmix)					
	14,14.2,15,15.3,16,16.3,17.1,17.3	16,17,22,23	9,10,13,14	15,16,17,18	7,11,12,13	
3sp	8,10,11,12	11,12,13,14	11,12,13,16	15,16,17,18,21	7,8,10,11	10,11,12
	12,13,15,16	13,14,15	26,27,29,30,31	14,15,16	X,Y	10,11,12
	19,20,21,22,23.2			19,19.2,20,24.2,25,25.2,27.2	7,8,9.3	8,9
	14,15,16,17	10,11			2	
WJNY9C	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WMNR4P	GlobalFiler™					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
WPUT49	GlobalFiler™ (STRMix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	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 3sp - STR Results

WUP4ZM	PowerPlex® Fusion 6C					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
WZCQYY	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
X24ABJ	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12,12	-
	11,12	12,[13],14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	-	-	20,25.2	8,9.3	8,9
	15,17	11	-	-	2	
X7VJJW	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	10,12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
XAY3UC	Investigator® 24plex QS (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
XCZVEE	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
XHBYGB	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 3sp - STR Results

XHNZC6	PowerPlex® Fusion 6C (STRMix 2.8)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
XJ4C22	Investigator® 24plex (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	8,11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
XMMWWA	GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
XT9YUE	GlobalFiler™ (STRmix v2.5)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
XU67K7	GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
XX329V	Identifiler® Plus				
3sp		17,23		16,18	12,12
	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				
XXZERG	GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12,[13]
	11,12	12,[13],14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2

TABLE 2

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

Item 3sp - STR Results

Y3UUHF	GlobalFiler™ (STRmix)				
	14,15,16,3,17,3	16,17,22,23	9,10,13,14,15	15,16,17,18	11,12,13
3sp	10,11,12	11,12,13,14	11,12,13	15,16,17,18	7,8,10,11
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y
	19,20,21,22			19,19.2,20,21,24.2,25.2	7,8,8.3,9.3
	14,15,16,17	11			2
Y4N779	GlobalFiler™				
	15,17,3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
Y6U7BU	GlobalFiler™ (STRmix)				
	15,17,3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
YABYG9	PowerPlex® Fusion 6C (STRmix)				
	15,17,3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
YCK84U	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,17,3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
YGBQYX	Identifiler® Plus				
		17,23		16,18	12,12
3sp	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				8,9
YH84HJ	GlobalFiler™ (STRmix)				
	15,17,3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
					2

TABLE 2

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

Item 3sp - STR Results

YHMF92	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	8,11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
YJXHVZ	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
YJZJM7	PowerPlex® Fusion 6C (STRmix)				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	
YN3RKB	GlobalFiler™				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			2
YQCBXJ	Investigator® 24plex QS				
	15,17.3	17,23	10,14	16,18	12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			
YR9QAG	GlobalFiler™ (STRmix 2.8.0)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22	NT	NT	20,25.2	8,9.3
	15,17	11	NT	NT	2
YU4ZTX	Investigator® 24plex (STRmix)				
	15,17.3	17,23	10,14	16,18	12,12
3sp	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	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 3sp - STR Results

YVRKBM	GlobalFiler™					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Z2DXR2	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Z368K4	Investigator® 24plex (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
Z3AW2E	PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL), FAMILIAS VERSION 3.3.1, YHRD.ORG)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Z46DDC	PowerPlex® Fusion 6C (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		
Z4L2LD	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
Z8F8UN	PowerPlex® 5C (BP Sentry)					
3sp	15,17.3	17,23	10,14	[15],16,18	[7],12	
	11,12	12,[13],14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22	9,13	7,18		8,9.3	8,9
	15,17	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 3sp - STR Results

Z9CM7K	Investigator® 24plex QS					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ZBEKER	GlobalFiler™ (STRmix v2.4.06)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZBJ3DQ	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZE2Z89	GlobalFiler™ (STRmix)					
3sp	14,15,16.3,17.3	16,17,22,23	10,13,14	15,16,17,18	11,12	
	10,11,12	11,12,13,14	11,12,13	15,16,17,18	8,10,11	10,11,12,13
	12,13,15,16	13,14,15	26,27,29,30	14,15,16	X,Y	10,11,12
	20,21,22			19,20,21,24.2,25.2	8,9.3	8,9
	14,15,16,17,18	11			2	
ZFGPLZ	GlobalFiler™ (STRmix)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,13,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	
ZFH8GW	Investigator® 24plex (STRmix V2.4.06)					
3sp	15,17.3	17,23	10,14	16,18	12,12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15,15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11				
ZFT7EQ	PowerPlex® Fusion 6C (STRmix v 2.8)					
3sp	15,17.3	17,23	10,14	16,18	12	
	11,12	12,14	12,13	16,18	8,11	11,12
	13,16	14,15	27,30	15	X,Y	11,12
	20,22	9,13	7,18	20,25.2	8,9.3	8,9
	15,17	11	16	17		

TABLE 2

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

Item 3sp - STR Results

ZFVQDM	PowerPlex® Fusion 5C				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18		8,9.3
	15,17	11			8,9
ZMBPMR	Identifiler® Plus				
3sp		17,23		16,18	12,12
	11,12	12,14			8,11
	13,16	14,15	27,30		X,Y
	20,22				8,9.3
	15,17				8,9
ZQXLB4	GlobalFiler™ (STRmix)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
ZR3V4F	GlobalFiler™ (TrueAllele)				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
ZWH7GJ	PowerPlex® Fusion 6C				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22	9,13	7,18	20,25.2	8,9.3
	15,17	11	16	17	8,9
ZXXVVB	GlobalFiler™				
3sp	15,17.3	17,23	10,14	16,18	12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9
ZZ39AB	Investigator® 24plex QS (STRmix v2.4)				
3sp	15,17.3	17,23	10,14	16,18	12,12
	11,12	12,14	12,13	16,18	8,11
	13,16	14,15	27,30	15,15	X,Y
	20,22			20,25.2	8,9.3
	15,17	11			8,9

TABLE 2

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

Item 3sp - STR Results

ZZ6B62	GlobalFiler™ (STRmix)					
	15,17.3	17,23	10,14	16,18	12	
3sp	11,12	10,12,13,14	12,13	16,18	8,11	11,12
	13,16	12,14,15	27,30	15	X,Y	11,12
	20,22			20,25.2	8,9.3	8,9
	15,17	11			2	

TABLE 2

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

Item 4 - STR Results

239Q97	Investigator® 24plex (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
24YH8B	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR			8,9,11
					NR
28Z8CJ	Investigator® 24plex QS				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
29ACNM	GlobalFiler™ (GeneMapper ID-X 1.6)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
2CQHLH	Investigator® 24plex QS				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	N/A	N/A	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	N/A	N/A	N/A	8,9,11
					N/A
2DPKFT	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
2M8ED8	Investigator® 24plex QS				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

2NLQ6K	GlobalFiler™ (BulletProof Sentry)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
2PHMRE	Identifiler® Plus					
		17,23		15,16,17	7,11,12	
4	8,10,11,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
2UQKAE	GlobalFiler™ (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
2UTPUA	GlobalFiler™ (STRmix v2.5)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
2VKWX8	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
2VN778	Investigator® 24plex QS (TrueAllele)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
2ZWCGQ	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

34T64U		PowerPlex® Fusion 5C				
4	15.3,[16,16.3,17.1]	17,[23]	10,11	15,[16],17	7,11,[12]	
	[8],10,12	10,[13]	13,14,15,16	17,[18],21	10,[13]	[9],11,[12]
	15,[16,20]	14,[15.2]	29,30,[31.2]	[15],16	X	[10],11,12
	21,[22],22.2,23.2	[10],12,13,[14]	10,11,12,[17]		6,[8],9.3	8,[9,11]
	16,[17],18	NT				
34UKC7		GlobalFiler™ (STRmix)				
4	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
36QHMF		GlobalFiler™ (GeneMapper ID-X 1.7.3)				
4	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
38WLC3		GlobalFiler™ (STRmix)				
4	15.3,16,16.1,16.3,17.1	16,17,23	9,10,11	14,15,16,17	7,10,11,12	
	8,10,11,12	9,10,13	12,13,14,15,16	16,17,18,21	10,12,13	9,11,12
	14,15,16,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,26.2,27.2	6,8,9.3	8,9,11
	15,16,17,18					
3AZ4QX		GlobalFiler™ (STRmix)				
4	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12,13	10,13	13,14,15,16	17,18,21	7,10,13	9,11,12
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3BRW9G		PowerPlex® 6C				
4	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3JLYCE		GlobalFiler™				
4	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

3K3XUH GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3MLA8E GlobalFiler™						
	15,3,16,16.3,17.1	17,[23]	10,11	15,[16],[17]	7,11,[12]	
4	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,17,18					
3Q8Q98 Investigator® 24plex QS (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3U4G77 GlobalFiler™ (STRmix)						
	15,15.3,16,16.3,17.1	16,17,23	9,10,11	14,15,16,17	7,10,11,12	
4	7,8,10,11,12	9,10,12,13	12,13,14,15,16	17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	29,30,31.2	14,15,16	X	10,11,12
	20,21,21.2,22,22.2,23.2			11,12,22.2,23.2,24.2,26.2,27.2	6,8,9.3	8,9,11
	15,16,17,18					
3VNFLA PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3XNLP2 Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
3ZVAF7 GlobalFiler™ (STRMIX)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

42L9XV	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
4E8NYA	PowerPlex® Fusion 6C (CODIS)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
4J2HWB	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	7,10,11,12
4	8,10,11,12	9,10,13	13,14,15,16	17,18,21	9,10,12,13
	14,15,16,20	13,14,14.2,15.2	29,30,31.2	14,15,16,17	X,X
	20,21,21.2,22,22.2,23.2			12,22.2,23.2,24.2,26.2,27.2	6,8,9.3
	15,16,17,18	NR			8,9,11
					NR
4JZD98	GlobalFiler™ (STRmix v2.5)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR			8,9,11
					NR
4L9ZV8	GlobalFiler™ (STRmix 2.8.0)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	Not tested	Not tested	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	No result	Not tested	Not tested	8,9,11
					No result
4NEHVN	Identifiler® Plus				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
4RZV6R	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

4TP26V	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
4VXLZ6	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	16,17,23	10,11	14,15,16,17	7,11,12	
4	8,10,11,12	9,10,13	13,14,15,16	17,18,21	9,10,12,13	9,10,11,12
	14,15,16,20	13,14,15.2	29,30,31.2	14,15,16	X	10,11,12
	21,21.2,22,22.2,23.2			12,23.2,24.2,26.2,27.2	6,8,9.3	8,9,11
	16,17,18					
4W9W73	PowerPlex® Fusion 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
4YHWB9	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
4Z96CX	GlobalFiler™ (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
4Z9832	PowerPlex® Fusion 6C (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

67ABGL	GlobalFiler™ (STRmix 2.8)					
	14,3,15,15.1,15.3,1 6,16.1,16.3,17.1	15,16,17,22,23	9,10,11,12	14,15,16,17	6,7,10,11,12	
4	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	8,9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,30.2,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,2 3.2			11,11.2,12,22.2,23,23 .2,24,24.2,26.2,27,27. 2	5,6,7,8,8.3,9.3	7,8,9,10,11
	15,16,17,18					
6BQHZE	PowerPlex® Fusion 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23,2,24.2,27.2	6,8,9,3	8,9,11
	16,17,18	NR	NR	NR		
6DWKZX	PowerPlex® Fusion 6C					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23,2,24.2,27.2	6,8,9,3	8,9,11
	16,17,18					
6EPUWE	PowerPlex® 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23,2,24.2,27.2	6,8,9,3	8,9,11
	16,17,18	NR	NR	NR		
6HLL3Q	GlobalFiler™ (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23,2,24.2,27.2	6,8,9,3	8,9,11
	16,17,18					
6PNLPY	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23,2,24.2,27.2	6,8,9,3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

6PR6D3	Investigator® 24plex Q.S. (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
6VUEJV	Investigator® 24plex (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
74HP6A	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
79YU46	Investigator® 24plex QS (STRmix V2.4.06)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
7B3TCC	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
7EJZUK	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
7G7RPM	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	18,21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

7HZHV3	Investigator® 24plex (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	14,15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
7LJA86	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	
7T2RHR	PowerPlex® Fusion 5C					
	15,3,[16],16.3,[17.1]	17,[23]	[10],11	15,[16],17	[7],11,[12]	
4	[8,10],12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,12
	15,[16,20]	14,[15.2]	29,30,[31.2]	15,16	X	10,11,12
	[21],22,22.2,[23.2]	10,12,13,[14]	10,[11,12],17		6,[8],9.3	8,[9,11]
	16,17,18	NT				
7Z4KLZ	GlobalFiler™ (STRmix v2.8)					
	14,3,15,15.3,16,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	6,7,10,11,12	
4	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	8,9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,3.2			11,12,22.2,23.2,24.2,26.2,27,27.2	6,8,9.3	8,9,11
	15,16,17,18					
7Z4R2U	Investigator® 24plex (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
7ZXCBR	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
82EJG9	Identifiler® Plus (STRmix v2.10)					
		17,23		15,16,17	7,11,12	
4	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					

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

86AUE9	GlobalFiler™ (STRmix v2.4.06)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	ND
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	ND	ND	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	ND	ND	ND	ND	
86TP4P	Investigator® 24plex (STRmix)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
88XJK8	GlobalFiler™					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
89TZX6	Investigator® 24plex QS (STRMix 2.4.06)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8EE2U9	Identifiler® Plus (STRmix v 2.7)					
4		17,23		15,16,17	7,11,12	
	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
8EZFHL	GlobalFiler™ (STRmix 2.4.06)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8FBH77	GlobalFiler™					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

8JQ42X	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8K48F3	GlobalFiler™ (STRmix v2.5)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
8MAVD2	Investigator® 24plex QS					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8NZ4C4	GlobalFiler™ (STRmix v2.8)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	-
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	-	-	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-	-	-	-	
8PEPNQ	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8R84A2	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
8R8CPU	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

8T4R3R	Investigator® 24plex (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
8WYTVT	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
8ZXPFY	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
92NPV4	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
98FH64	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR			NR
9EYLC7	PowerPlex® 21 (STRmix)				
	15,3,16,16.3,17.1	17,23		15,16,17	7,11,12
4	8,10,12	10,13		17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3
	16,17,18				8,9,11
9F6MZ6	PowerPlex® 5C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

9KWRU9	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
9QBNX4	PowerPlex® Fusion 6C (STRMix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
9R2WYT	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
9TE2JQ	GlobalFiler™ (STRmix v2.11)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	---			---	
9TXPFW	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
9VHYQD	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
9WX9RQ	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

9XLUAF		PowerPlex® Fusion 5C				
4	15,3,16,16.3,17.1	17,[23]	[10],11	15,[16],[17]	[7],11,[12]	
	[8],[10],12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,[12]
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X,X	10,11,12
	[21],22,[22.2],[23.2]	[10],12,13,[14]	10,11,12,17		6,8,9.3	8,[9],[11]
	16,[17],[18]					
A2N34H		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
A93XUK		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ABA7AW		Investigator® 24plex (STRMix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ADD2TZ		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	
AFK7HG		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
AGGLVE		GlobalFiler™				
4	15,3,16,16.3,17.1	17,[23]	10,11	15,[16],17	7,11,[12]	
	8,[10],12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,[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

AHQ8HY		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
AJMMUW		GlobalFiler™ (STRmix)				
4	14,3,15,15.3,16,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	7,10,11,12	
	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,11,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,30.2,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,11.2,12,22.2,23.2,24,24.2,26.2,27,27.2	5,6,7,8,9.3	7,8,9,10,11
	15,16,17,18					
ATRH6N		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
AU2Y99		Investigator® 24plex QS (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
B3UCKY		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
B6E7DT		GlobalFiler™ (STRmix v2.6)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
B7UVWT		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

BDV8TP		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
BL6LME		PowerPlex® Fusion 6C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13 ^	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NR	NR		
BMJ4R6		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
BRT9J6		GlobalFiler™ (STRmix v2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	NT
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	NT	NT	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NT	NT	NR	
BW68Y6		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
BX2PVE		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
C39FVY		GlobalFiler™ (STRmix 2.8.0)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	

TABLE 2

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

Item 4 - STR Results

C3LCYJ GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
C7MCYF GlobalFiler™ (STRmix v2.4.06)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
C84ATZ GlobalFiler™						
	15,3,16,16.3,193.35 pb	17,[23]	10,11,14	15,16,17	7,11,12	
4	8,10,12	10,12,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,[15.2]	29,30,31.2	15,16	X,[Y]	10,11,12
	20,21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	11			2	
CH2DVA GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
CK9PGG GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
CLKN8Y PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
CNBWAM GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

CNRKHN PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
CPNZUL PowerPlex® Fusion 5C						
	15.3,[16,16.3],17.1	17,[23]	[10],11	15,[16],17	7,11,[12]	
4	8,[10],12	10,[13]	13,[14],15,16	17,18,[21]	10,13	[9],11,[12]
	15,[16,20]	14,[14.2,15.2]	29,30,[31.2]	15,16	X	10,11,12
	21,22,22.2,23.2	[10],12,13,[14]	10,11,12,17		6,8,9.3	8,[9,11]
	16,[17],18	NT				
CYLZ3J GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
CZMPWF PowerPlex® Fusion 6C (STRmix v2.8)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
D293LC PowerPlex® Fusion 6C						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
D3LRQA GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
D3MURT PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

D4EHWN		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
D6VENN		PowerPlex® Fusion 6C (STRmix 2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DAL24U		Investigator® 24plex QS (STRmix v2.4)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DF843J		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DJV7GK		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DLXBMD		GlobalFiler™ (STRmix 2.8)				
4	14.3,15,15.3,16,16.1,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	6,7,10,11,12	
	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,11.2,12,22.2,23,23.2,24,24.2,26.2,27,27.2	6,7,8,8.3,9.3	8,9,11
	15,16,17,18					

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

DPH4YF		Identifiler® Plus				
		17,23		15,16,17	7,11,12	
4	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
DPH7NK		PowerPlex® Fusion 6C				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DPZA4X		Investigator® 24plex Q/S (STRmix V2.4.06)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DQDLZG		GlobalFiler™ (STRmix)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DVMX2N		Investigator® 24plex (STRmix)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DWCBFZ		GlobalFiler™				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
DXDRPX		GlobalFiler™ (STRmix)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

DY4YQL	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
E238FB	PowerPlex® Fusion 6C					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
E67QQQ	Investigator® 24plex					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
EBCMAQ	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
EFMMM	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
EKJ673	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ENGBDX	PowerPlex® Fusion 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

ENKKLX		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,[23]	10,11	15,[16],17	7,11,[12]	
	8,[10],12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,[17],[18]	NID	NID	NID		
EUQEFU		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
EX928Z		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
EZA96J		PowerPlex® Fusion 6C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
F3GQ2U		GlobalFiler™ (STRmix)				
4	15,15.3,16,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	7,10,11,12	
	8,9,10,11,12	9,10,13	12,13,14,15,16	17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,15.2	28,29,30,31.2	14,15,16	X	10,11,12
	20,21,21.2,22,22.2,23.2			12,22.2,23.2,24.2,26.2,27.2	6,8,9.3	8,9,11
	15,16,17,18					
F4RTPD		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
F7WCWL		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

F89ZA7 GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
F8RUXM Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
FDED6P GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
FFLAEE GlobalFiler™						
	15,3,[16],[16.3],17.1	17,[23]	[10],11	15,[16],[17]	7,11,[12]	
4	8,[10],12	10,[13]	13,[14],15,16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X,X	[10],11,[12]
	[21],22,[22.2],23.2			[12],[23.2],24.2,27.2	6,8,9.3	8,[9],[11]
	16,[17],[18]	NR			NR	
FNDH7X GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
FQZ7GX GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
FWMW28 PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NR	NR		

TABLE 2

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

Item 4 - STR Results

FZH8JU	GlobalFiler™ (GeneMapper ID-X 1.6)				
	16,16.3,17.1	17	10,11	15,16,17	7,11,12
4	8,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14	29,30,31.2	15,16	X
	21,22.2,23.2			12,24.2,27.2	9.3
	16,17,18				8,11
G3WTKT	GlobalFiler™ (STRmix)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
G9YJQX	GlobalFiler™ (STRmix)				
	14.3,15,15.3,16,16.1,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	7,10,11,12
4	7,8,9,10,11,12	9,10,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X,X
	20,21,21.2,22,22.2,23.2			11,12,22.2,23,23.2,24.2,24.2,26.2,27,27.2	6,7,8,9.3
	15,16,17,18	NR			NR
GE4YBK	PowerPlex® Fusion 6C				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
GH4Q7X	GlobalFiler™ (STRmix v2.8)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR			NR
GJZXYC	PowerPlex® Fusion 6C (STRmix v2.8)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
GKTQUU	Investigator® 24plex QS (STRmix V2.4.06)				
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

GNFX6W		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
GP777K		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
GTLBPU		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
GUE4KD		homemade multiplex				
4	15,3,16,16.3,17.1		10,11	15,16,17		
		10,13	13,14,15,16	17,18,21		9,11,12
	15,16,20		29,30,31.2	15,16	X,X	
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
GUGA2T		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
GYBFBP		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
GYCKX8		GlobalFiler™ (STRmix v2.4.06)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

GYWCWK		Investigator® 24plex QS (STRmix V2.4.06)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
H37Y29		GlobalFiler™ (STRmix v 2.8)				
4	14,3,15,15.3,16,16.1,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	6,7,10,11,12	
	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,11,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,30.2,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,11.2,12,22.2,23,23.2,24,24.2,26.2,27,27.2	5,6,7,8,8.3,9.3	7,8,9,10,11
	15,16,17,18					
H3QFHB		Identifiler® Plus				
4		17,23		15,16,17	7,11,12	
	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
H4JJJJ		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
H4MXF7		GlobalFiler™				
4	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,12	
	8,[10],12	10,[13]	13,14,15,16	17,18,21	10,13	9,11,12
	15,[16],[20]	14,[15.2]	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,17,18	ND			ND	
H6HWTP		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

H796UE	GlobalFiler™ (Yes)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12,13	10,13	13,14,15,16	17,17.3,18,21	10,13
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
H7PQDB	Identifiler® Plus				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
H7PT3F	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
H8LAFC	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	-			-
HARRD9	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
HG984W	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	-	-	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	-	-	-	-
HHKZ6Q	Investigator® 24plex QS (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

HNQUYM		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HPLABJ		Investigator® 24plex QS (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HT6U8R		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HUBVWQ		PowerPlex® 6C System				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HUZD9T		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HV6PQA		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HVQLAH		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	8,10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	12,14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

HVQNZL GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
HYNG3C GlobalFiler™						
	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,[9,11]
	16,17,18					
J9CRRX PowerPlex® Fusion 6C						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7	
4	8,10,12	10,13	--	17,18,21	10	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	--	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
J9CUG3 GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
JB2CL9 PowerPlex® Fusion 6C (STRmix v2.8)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JC7ECQ GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JJA EVT GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	

TABLE 2

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

Item 4 - STR Results

JL2UAQ		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	16,17,23	10,11	14,15,16,17	7,11,12	
	8,10,11,12	9,10,13	13,14,15,16	17,18,21	10,13	9,11,12
	14,15,16,20	13,14,15.2	29,30,31.2	14,15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JLX8XH		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JQW4GN		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JRJANL		Investigator® 24plex (STRMIX)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JRMJCJ		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	12,17,23	10,11	15,16,17	7,11,12	
	8,10,12,13	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JUBHNN		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	9,10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	13,14,15.2	29,30,31.2	15,16	X	10,11,12
	20,21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
JXVYPH		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

K4BXZR GlobalFiler™ (STRmix v2.5)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
K686QJ GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
K98DVU GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
K9RNNJ Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
KBU2AF GlobalFiler™ (strmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
KC3NR9 GlobalFiler™						
	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,12	
4	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13	9,11,12
	15,[16,20]	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
KDY447 PowerPlex® Fusion 6C						
	15,3,16^,16.3^,17.1	17,23	10,11	15,16,17	7,11,12^	
4	8,10,12	10,13^	13^,14^,15^,16	17,18,21	10,13	9,11,12
	15,16^,20^	14,15.2	29,30,31.2^	15,16	X	10,11,12
	21^,22^,22.2^,23.2^	10,12,13,14	10,11^,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17^,18	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 4 - STR Results

KLWUPF		PowerPlex® Fusion 6C (STRmix v2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
KNZHDJ		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
KPRKT8		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
KRX7LD		PowerPlex® Fusion 6C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
L3YTDA		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
LGW6G8		PowerPlex® Fusion 5C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3	8,9,11
	16,17,18					
LMHV9A		GlobalFiler™				
4	15,3,[16],[16.3],17.1	17,[23]	[10],11	15,[16],17	7,11,[12]	
	8,[10],12	10,[13]	13,[14],[15],16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	[29],30,[31.2]	15,16	X,X	[10],11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	[6],8,9.3	8,[9],[11]
	16,[17],18	NR			NR	

TABLE 2

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

Item 4 - STR Results

LNEBK7	GlobalFiler™ (STRmix 2.8)					
	14,3,15,15.3,16,16.1,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	6,7,10,11,12	
4	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,30.2,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,11.2,12,22.2,23,23.2,24,24.2,26.2,27,27.2	6,7,8,8.3,9.3	7,8,9,11
	15,16,17,18					
LQLQRC	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
LRG9TD	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
LTCBUG	PowerPlex® Fusion 6C					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
LU72ZV	Identifiler® Plus (STRmix 2.10.0)					
		17,23		15,16,17	7,11,12	
4	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
LXJHZ7	Identifiler® Plus					
		17,23		15,16,17	7,11,12	
4	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					

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

LZ8DVR		PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
M7AEK8		PowerPlex® Fusion 6C (STRmix v. 2.8)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
M9GJCB		GlobalFiler™				
	15.3,[16],16.3,17.1	17,[23]	[10],11	15,[16],17	7,11,[12]	
4	8,[10],12	10,[13]	13,[14],[15],16	17,18,21	10,13	[9],11,[12]
	15,[16],[20]	14,[15.2]	[29],30,[31.2]	15,16	X,X	10,11,12
	[21],22,[22.2],23.2			12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,[17],18	NR			NR	
MAD2A6		GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
MDCC76		GlobalFiler™ (STRmix v 2.4.06)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
MFHV98		GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
MNCZ29		GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

MY9473	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
N2F62E	PowerPlex® Fusion 6C					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
N2WBEH	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
N4Z7XL	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
N9VHQJ	Investigator® 24plex (STRmix)					
	15,3,16,16.3,17.1	16,17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
N9Z87V	PowerPlex® Fusion 5C					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3	8,9,11
	16,17,18	NR				
NCFA3M	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	

TABLE 2

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

Item 4 - STR Results

NFT8AA Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NJDYLC Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NK9HMD Investigator® 24plex QS (STRMIX)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NKPNYW PowerPlex® Fusion 6C (STRmix v2.6.3)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NRQX6P GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	--			--	
NUEKN4 PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NVQRZQ GlobalFiler™ (Genemapper IDX v1.6)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

NWL8CM		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
NXCFDC		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13,14,15	13,14,15,16	17,18,20,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27,27.2	6,8,9.3	8,9,11
	16,17,18					
P6QNED		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2,28.2	6,8,9.3	8,9,11
	16,17,18					
P83ENG		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PBWPP3		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PD4QKE		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	N/A			N/A	
PK4Z6L		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

PLY4TA		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PQT8EZ		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PU98KL		GlobalFiler™ (STRmix v2.5)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
PURHAZ		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PXNAFC		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
PZGVHF		Investigator® 24plex (Strmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
Q234WA		PowerPlex® Fusion 6C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

Q9LCFZ		PowerPlex® Fusion 6C				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
Q9PW43		GlobalFiler™				
4	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,12	
	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
QC8JTL		GlobalFiler™ (STRmix v2.5)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
QCMURE		GlobalFiler™ (STRmix)				
4	14,3,15,15.3,16,16.3,17.1	16,17,23	9,10,11	14,15,16,17	6,7,10,11,12	
	8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,12,22.2,23.2,24,24.2,26.2,27,27.2	6,8,9.3	7,8,9,11
	15,16,17,18					
QDLC2Q		GlobalFiler™ (STRMIX)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
QER3KQ		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
QF8L4G		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

QLDW2W	PowerPlex® Fusion 5C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3
	16,17,18				8,9,11
QPY4HP	Identifiler® Plus, MiniFiler (STRmix v2.10.0)				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
QRHQ2J	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	-			8,9,11
QU9Y39	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	-	-	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	-	-	-	8,9,11
QV4Z2P	Identifiler® Plus (STRmix 2.10)				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
QVYTQG	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
QWUBTH	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

QX7XCH		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
QXP7M2		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
R6723V		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NR	NR		
RABXMV		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NR	NR		
RJLAPK		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
RMJ98H		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
RQNPNL		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

RU34W8		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
RUYLU3		PowerPlex® ESI16				
4	15.3,[16],16.3,17.1	17,[23]	[10],11	15,16,17		
		10,[13]	13,[14],15,16	17,18,21		[9],11,12
	15,[16,20]	14,15.2	29,30,[31.2]	15,16	X	
	[21],22,22.2,23.2				6,8,9.3	
	16,[17],18					
RYCBH7		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
TABHPP		Investigator® 24plex QS (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
TB7Q88		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
TE9PHY		PowerPlex® Fusion 6C (STRmix v2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
TGDEK9		Investigator® 24plex (STRMix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

TMHVYF		PowerPlex® Fusion 6C (STRmix 2.6)				
4	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,[12]	
	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,12
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,[17],18	NID	NID	NID		
TZ6FNX		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	
TZ9XQ3		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
U47Q96		Investigator® 24plex (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
U6D97Z		Investigator® 24plex QS (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
UE267F		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	
UJY2X9		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

UK7Y3W		PowerPlex® Fusion 6C (STRmix v2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ULKAWV		GlobalFiler™ (STRmix v2.5.11)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
UNP6CR		PowerPlex® Fusion 5C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3	8,9,11
	16,17,18	NR				
UUGZNX		PowerPlex® Fusion 6C (STRMix v2.8)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
UVCJPY		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
UWJB9Z		GlobalFiler™ (STRMix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
UYCWB4		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4 - STR Results

V3LJBL	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
V8WU4F	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR			8,9,11
NR					
VBKUUX	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
VCCNGL	Identifiler® Plus (STRmix v 2.10.0)				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
VHHPQB	Investigator® 24plex (STRMix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
VJUUFD	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
VN6L97	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

VVMUW3	PowerPlex® Fusion 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
VYJLZT	GlobalFiler™					
	15,3,16,16.3,17.1	17,[23]	10,11	15,16,17	7,11,12	N/A
4	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13	9,11,12
	15,[16],[20]	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	N/A	N/A	12,23.2,24.2,27.2	6,8,9.3	8,[9],[11]
	16,17,18	ND	N/A	N/A	ND	
VZE2DQ	Investigator® 24plex QS					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	N/A				
W24F7D	GlobalFiler™					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17,[18]	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
W298BV	GlobalFiler™ (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
W2R4MV	PowerPlex® Fusion 6C (STRmix v2.8)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
W4W28G	PowerPlex® Fusion 6C (STRmix)					
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

W8D2BJ GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
W99JDK GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
WEEFWK GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
WF9NV9 GlobalFiler™ (STRmix)						
	14,3,15,15.3,16,16.3,17.1	16,17,23	9,10,11,12	14,15,16,17	7,10,11,12	
4	7,8,9,10,11,12	9,10,12,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X	9,10,11,12
	20,21,21.2,22,22.2,23.2			12,22.2,23.2,24,24.2,26.2,27,27.2	5,6,7,8,9.3	7,8,9,11
	15,16,17,18					
WJNY9C GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
WMNR4P GlobalFiler™ (BulletProof Sentry)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
WPUT49 GlobalFiler™ (STRMix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

WUP4ZM		PowerPlex® Fusion 5C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		6,8,9.3	8,9,11
	16,17,18	NR				
WZCQYY		GlobalFiler™				
4	15,3,[16],[16.3],17.1	17,[23]	[10],11	15,[16],[17]	7,11,[12]	
	[8],[10],12	10,[13]	13,14,15,16	17,18,21	10,13	[9],11,[12]
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X,X	10,11,12
	21,22,22.2,23.2			[12],[23.2],24.2,27.2	6,8,9.3	8,[9],[11]
	16,[17],[18]	NR			NR	
X24ABJ		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	-
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	-	-	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	N/D	-	-	N/D	
X7VJJW		GlobalFiler™ (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
XAY3UC		Investigator® 24plex QS (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
XCZVEE		PowerPlex® Fusion 6C (STRmix)				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
XHB YGB		GlobalFiler™				
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

XHNZC6 PowerPlex® Fusion 6C (STRMix 2.8)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
XMMWWA GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
XT9YUE GlobalFiler™ (STRmix v2.5)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
XU67K7 GlobalFiler™ (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR			NR	
XXZERG GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	N/D			N/D	
Y3UUHF GlobalFiler™ (STRmix)						
	14.3,15,15.3,16,16.1,16.3,17.1	16,17,22,23	9,10,11	14,15,16,17	6,7,10,11,12	
4	7,8,9,10,11,12	9,10,13	12,13,14,15,16	16,17,18,20,21	9,10,12,13,14	9,10,11,12
	14,15,16,19,20	13,14,14.2,15.2	28,29,30,31.2	14,15,16,17	X,X	9,10,11,12
	20,21,21.2,22,22.2,23.2			11,11.2,12,22.2,23,24,24.2,26.2,27,27.2	6,7,8,9.3	8,9,11
	15,16,17,18	NR			NR	

TABLE 2

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

Item 4 - STR Results

Y4N779	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
Y6U7BU	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,[23]	[10],11	15,[16],[17]	7,11,[12]
4	[8],[10],12	10,[13]	13,14,15,16	17,18,21	10,13
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X
	[21],22,[22.2],23.2			12,23.2,24.2,27.2	[6],8,9.3
	16,[17],18	NR			8,[9],[11]
YABYG9	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
YCK84U	PowerPlex® Fusion 6C (STRmix v2.8)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
YH84HJ	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
YHMF92	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
YJ2GX3	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

YJXHVZ Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,Y	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
YJZJM7 PowerPlex® Fusion 6C (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
YN3RKB GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	-			-	
YQCBXJ Investigator® 24plex QS						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
YR9QAG GlobalFiler™ (STRmix 2.8.0)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	NT
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	NT	NT	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NT	NT	NR	
YU4ZTX Investigator® 24plex (STRmix)						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
YVRKBM GlobalFiler™						
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NM			NM	

TABLE 2

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

Item 4 - STR Results

Z2DXR2	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
Z46DDC	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
Z4L2LD	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
Z8F8UN	PowerPlex® 5C				
	15,3,16,16.3,17.1	17,[23]	[10],11	15,[16],[17]	7,11,[12]
4	[8],[10],12	10,[13]	13,14,15,16	17,18,21	10,13
	15,[16],[20]	14,[15.2]	29,30,[31.2]	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17		[9],11,[12]
	16,[17],[18]			6,8,9.3	[10],11,[12]
					8,[9],[11]
Z9CM7K	Investigator® 24plex QS				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZAQFC2	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZBEKER	GlobalFiler™ (STRmix v2.4.06)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4 - STR Results

ZBJ3DQ	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZE2Z89	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	16,17,23	9,10,11	14,15,16,17	7,10,11,12
4	8,10,11,12	9,10,13	13,14,15,16	17,18,21	9,10,12,13
	14,15,16,20	13,14,14.2,15.2	29,30,31.2	14,15,16,17	X
	20,21,21.2,22,22.2,23.2			11,12,22.2,23.2,24.2,26.2,27.2	6,8,9.3
	15,16,17,18				8,9,11
ZFGPLZ	GlobalFiler™ (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	12,14,15.2	29,30,31.2	15,16,17	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZFH8GW	Investigator® 24plex (STRmix V2.4.06)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZFT7EQ	PowerPlex® Fusion 6C (STRmix v 2.8)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
ZFVQDM	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	NR	NR	NR	8,9,11
ZMBPMR	Identifiler® Plus				
		17,23		15,16,17	7,11,12
4	8,10,12	10,13		10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	X,X	10,11,12
	21,22,22.2,23.2			6,8,9.3	8,9,11
	16,17,18				

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

ZQXLB4	GlobalFiler™ (STRmix)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	N/A			N/A	
ZR3V4F	GlobalFiler™ (TrueAllele)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ZWH7GJ	PowerPlex® Fusion 6C (STRmix)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18	NR	NR	NR		
ZXXVVB	GlobalFiler™					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ZZ39AB	Investigator® 24plex QS (STRmix v2.4)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
ZZ6B62	GlobalFiler™ (STRmix)					
4	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

TABLE 2

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

Item 4e - STR Results

3AGRYY	PowerPlex® Fusion 6C (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18	N/A	N/A	N/A	N/A
JMA7P7	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,[23]	[10],11	15,16,17	7,11,12
4e	8,10,12	10,[13]	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,[17],[18]				8,[9],[11]
LYHJ7X	GlobalFiler™				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
MM2YFA	Identifiler® Plus				
		17,23		15,16,17	7,11,12
4e	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11
PW2BMN	PowerPlex® Fusion 6C				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X,X
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
XJ4C22	Investigator® 24plex (STRmix)				
	15,3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13
	15,16,20	14,15.2	29,30,31.2	15,16	X
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3
	16,17,18				8,9,11
XX329V	Identifiler® Plus				
		17,23		15,16,17	7,11,12
4e	8,10,12	10,13			10,13
	15,16,20	14,15.2	29,30,31.2		X,X
	21,22,22.2,23.2				6,8,9.3
	16,17,18				8,9,11

TABLE 2

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

Item 4e - STR Results

YGBQYX	Identifiler® Plus					
		17,23		15,16,17	7,11,12	
4e	8,10,12	10,13			10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2		X,X	10,11,12
	21,22,22.2,23.2				6,8,9.3	8,9,11
	16,17,18					
Z368K4	Investigator® 24plex (STRmix)					
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16,17	X	10,11,12
	21,22,22.2,23.2			12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					
Z3AW2E	PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL))					
	15.3,16,16.3,17.1	17,23	10,11	15,16,17	7,11,12	
4e	8,10,12	10,13	13,14,15,16	17,18,21	10,13	9,11,12
	15,16,20	14,15.2	29,30,31.2	15,16	X,X	10,11,12
	21,22,22.2,23.2	10,12,13,14	10,11,12,17	12,23.2,24.2,27.2	6,8,9.3	8,9,11
	16,17,18					

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

3AGRYY PowerPlex® Fusion 6C (STRmix)

4sp

JMA7P7 PowerPlex® Fusion 6C
17,17

4sp

16,-

15,-

X,-

LYHJ7X GlobalFiler™

4sp

MM2YFA Identifiler® Plus

4sp

PW2BMN PowerPlex® Fusion 6C

4sp

XJ4C22 Investigator® 24plex (STRmix)

4sp

15.3,16,16.3,17.1

17,23

10,11

15,16,17

7,11,12

8,10,12

10,13

13,14,15,16

17,18,21

10,13

9,11,12

15,16,20

14,15.2

29,30,31.2

15,16

X

10,11,12

21,22,22.2,23.2

12,23.2,24.2,27.2

6,8,9.3

8,9,11

16,17,18

XX329V Identifiler® Plus

4sp

TABLE 2

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

Item 4sp - STR Results

YGBQYX Identifiler® Plus

4sp	

Z368K4	Investigator® 24plex (STRmix)					
	15.3,17.1	17	11	15,16,17	11,12	
4sp	8,12	10,13	13,16	17,18,21	10	11
	15	14	30,31.2	15,16	X	11,12
	23.2			12,27.2	6,8,9.3	8,9,11
	16,17,18					

Z3AW2E PowerPlex® Fusion 6C (GFF VERSION 3.0.05 BETA (GENETICA FORENSE FINAL))

4sp	

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 2 - YSTR Results									
29ACNM	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2DPKFT	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2M8ED8	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
2PHMRE	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
2VKWX8	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2VN778	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
34T64U	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
36QHMF	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3AZ4QX	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3JLYCE	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3MLA8E	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 2 - YSTR Results										
3Q8Q98	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
3U9QA4	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
42L9XV	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
4E8NYA	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
4JZD98	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
63BFRX	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12	NT	16	17	21	23	NT	12	
6BQHZE	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
6EPUWE	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
6PNLPY	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
79YU46	PowerPlex® Y 23									
2		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
7B3PM9	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
7LJA86	Yfiler™ Plus									
2	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
7T2RHR	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
7Z4R2U	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
82T7RW	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
89TZX6	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
8EZFHL	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8FBH77	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8K48F3	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8MAVD2	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
8NZ4C4	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	-	16	17	21	23	-	12
8PEPNQ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8R84A2	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
92NPV4	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
9F6MZ6	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
9KWRU9	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
9RH47V	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
9VHYQD	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
9XLUAF	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
ABA7AW	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
ADD2TZ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
AE9H7W	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
AFK7HG	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
BMJ4R6	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
C7MCYF	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
CH2DVA	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
CH2T8R	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
CNBWAM	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
CZMPWF	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
D3MURT	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
DPH7NK	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
DQDLZG	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
DWCBFZ	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
E72ARR	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EFMMM	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
EKJ673	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ENKKLX	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EUQEFU	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
EZA96J	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
F89ZA7	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
FNDH7X	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
G4QLAJ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
GAUKTL	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
GJZYXC	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
GKTQUU	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
GYBFBP	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
GYCKX8	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H6CGZ6	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H796UE	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H8LAFC	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
HHKZ6Q	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	22
HUBVWQ	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
HUZD9T	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
HV6PQA	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
J9CUG3	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
JB2CL9	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
JC7ECQ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
JJAEVT	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
K98DVU	Yfiler™								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
KBU2AF	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
KLWUPF	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
KPRKT8	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
L3XLXF	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LU72ZV	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
M7AEK8	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
MAD2A6	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MDCC76	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MFHV98	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MNCZ29	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N2WBEH	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N4Z7XL	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N9Z87V	PowerPlex® Y 23								
2		13	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
NCFA3M	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NKPNYW	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
NMZ7WD	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
NVQRZQ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NXCFDC	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PD9X3A	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PK4Z6L	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PLY4TA	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
PU98KL	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QDLC2Q	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QER3KQ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QLDW2W	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
QPY4HP	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QRHQ2J	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
QV4Z2P	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QVYTQG	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QWUBTH	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QXP7M2	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
R6723V	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RABXMV	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RAHK2A	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
RJLAPK	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RMJ98H	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
TGDEK9	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
TMHVYF	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
TZ6FNX	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
UBGZMK	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UE267F	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UJY2X9	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UK7Y3W	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
UMXCU9	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UNP6CR	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
VCCNGL	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
VMUW3	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
VYJLZT	PowerPlex® Y 23								
2	N/A	14	11,15	14	31	23	11	13	13
	15	12	11	19	N/A	16	17	N/A	22
	N/A	12	12	16	17	N/A	23	10	12
W24F7D	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
W2R4MV	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
W99JDK	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
WEEFWK	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WJNY9C	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WUP4ZM	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
XHBYGB	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Y4N779	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Y6U7BU	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YABYG9	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YH84HJ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YHMF92	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
YJXHVZ	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
YL67L6	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YN3RKB	Yfiler™								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
YVRKBM	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
YYU3M3	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YZPKP4	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z2DXR2	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z3AW2E	PowerPlex® Y 23								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z4L2LD	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z6GJNE	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z8F8UN	Yfiler™								
2		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
ZFVQDM	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ZR3V4F	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ZWH7GJ	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ZXXVVB	Yfiler™ Plus								
2	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3 - YSTR Results										
DWCBFZ	PowerPlex® Y 23									
3		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
HUBVWQ	PowerPlex® Y 23									
3		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
TMHVYF	PowerPlex® Y 23									
3		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	

TABLE 3

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

Item 3e - YSTR Results

29ACNM	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2DPKFT	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2M8ED8	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12		16	17		23	10	12
2PHMRE	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
2VKWX8	Yfiler™ Plus								
3e									
2VN778	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
34T64U	PowerPlex® Y 23								
3e		14	[11],15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
36QHMF	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3AZ4QX	Yfiler™ Plus								
3e									
3JLYCE	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3MLA8E	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3Q8Q98	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3e - YSTR Results									
3U9QA4	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17	22		
	12	12	16	17	23	10	12		
42L9XV	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17	22		
	12	12	16	17	23	10	12		
4E8NYA	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17	22		
	12	12	16	17	23	10	12		
4JZD98	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	16	17	21	23	12		
4NEHVN	Yfiler™ Plus								
3e									
4TP26V	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	16	17	21	23	12		
63BFRX	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
6BQHZE	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	16	17	21	23	12		
6EPUWE	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	16	17	21	23	12		
6PNLPY	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17	22		
	12	12	16	17	23	10	12		
79YU46	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17	22		
	12	12	16	17	23	10	12		
7LJA86	Yfiler™ Plus								
3e									

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3e - YSTR Results										
7T2RHR	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
7Z4R2U	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
82T7RW	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12	NT	16	17	21	23	NT	12	
89TZX6	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
8EZFHL	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
8FBH77	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
8K48F3	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
8MAVD2	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
8NZ4C4	Yfiler™ Plus									
3e										
8PEPNQ	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
8R84A2	Yfiler™ Plus									
3e										
92NPV4	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3e - YSTR Results									
9F6MZ6	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17		22	
	12	12	16	17		23	10	12	
9KWRU9	Yfiler™ Plus								
3e									
9RH47V	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
9VHYQD	Yfiler™								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17			
						23		12	
9XLUAF									
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17			
						23		12	
ABA7AW	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17		22	
	12	12	16	17		23	10	12	
ADD2TZ	Yfiler™ Plus								
3e									
AE9H7W	PowerPlex® Y 23								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17		22	
	12	12	16	17		23	10	12	
AFK7HG	Yfiler™								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17			
						23		12	
BMJ4R6	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
C7MCYF	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
CH2DVA	Yfiler™								
3e	14	11,15	14	31	23	11	13	13	
	15	12	11	19	16	17			
						23		12	

TABLE 3

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

Item 3e - YSTR Results

CH2T8R	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
CNBWAM	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
CZMPWF	PowerPlex® Y 23								
3e									
D3MURT	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
DPH4YF	Yfiler™ Plus								
3e									
DPH7NK	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
DQDLZG	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
E72ARR	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EFMMMKG	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
EKJ673	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ENKKLX	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EUQEFU	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3e - YSTR Results										
EZA96J	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
F89ZA7	Yfiler™									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17			
							23		12	
FNDH7X	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
G4QLAJ	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
GAUKTL	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12	NT	16	17	21	23	NT	12	
GJZYXC	PowerPlex® Y 23									
3e										
GKTQUU	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
GYBFBP	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
GYCKX8	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
H3QFHB	Yfiler™ Plus									
3e										
H6CGZ6	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
H796UE	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	

TABLE 3

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

Item 3e - YSTR Results

H7PQDB	Yfiler™ Plus								
3e									
H8LAFC	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
HHKZ6Q	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
HUZD9T	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
HV6PQA	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
J9CUG3	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
JB2CL9	PowerPlex® Y 23								
3e									
JC7ECQ	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
K98DVU	Yfiler™								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
KBU2AF	Yfiler™ Plus								
3e									
KLWUPF	PowerPlex® Y 23								
3e									
KPRKT8	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3e - YSTR Results									
L3XLXF	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LU72ZV	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LYHJ7X	Yfiler™ Plus								
3e									
M7AEK8	PowerPlex® Y 23								
3e									
MAD2A6	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MDCC76	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MFHV98	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MM2YFA	Yfiler™ Plus								
3e									
MNCZ29	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N2WBEH	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N4Z7XL	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N9Z87V	PowerPlex® Y 23								
3e		13	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12

TABLE 3

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

Item 3e - YSTR Results

NCFA3M	Yfiler™ Plus								
3e									
NKPNYW	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NMZ7WD	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
NVQRZQ	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NXCFDC	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PK4Z6L	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PLY4TA	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
PU98KL	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QDLC2Q	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QER3KQ	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QLDW2W	Yfiler™								
3e									
QPY4HP	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

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

Item 3e - YSTR Results

QRHQ2J	Yfiler™ Plus								
3e									
QV4Z2P	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QVYTQG	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QWUBTH	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QXP7M2	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
R6723V	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RABXMV	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RAHK2A	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
RJLAPK	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RMJ98H	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
TGDEK9	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
TZ6FNX	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3e - YSTR Results										
UBGZMK	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
UE267F	Yfiler™ Plus									
3e										
UJY2X9	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
UK7Y3W	PowerPlex® Y 23									
3e										
UMXCU9	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
UNP6CR	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
VCCNGL	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
VMUW3	PowerPlex® Y 23									
3e		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	
VYJLZT	PowerPlex® Y 23									
3e	N/A	14	11,15	14	31	23	11	13	13	
	15	12	11	19	N/A	16	17	N/A	22	
	N/A	12	12	16	17	N/A	23	10	12	
W24F7D	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
W2R4MV	PowerPlex® Y 23									
3e										
W99JDK	Yfiler™ Plus									
3e	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	

TABLE 3

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

Item 3e - YSTR Results

WEEFWK	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WJNY9C	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WUP4ZM	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
XHBYGB	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
XX329V	Yfiler™ Plus								
3e									
Y4N779	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Y6U7BU	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YABYG9	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YGBQYX	Yfiler™ Plus								
3e									
YH84HJ	Yfiler™ Plus								
3e									
YHMF92	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
YJXHVZ	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3e - YSTR Results									
YL67L6	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YN3RKB	Yfiler™								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YVRKBM	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
YYU3M3	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YZPKP4	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z2DXR2	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z3AW2E	PowerPlex® Y 23								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z4L2LD	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z8F8UN	Yfiler™								
3e		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
ZFVQDM	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ZMBPMR	Yfiler™ Plus								
3e									
ZR3V4F	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

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

Item 3e - YSTR Results

ZWH7GJ	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ZXXVVB	Yfiler™ Plus								
3e	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
29ACNM	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2DPKFT	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2M8ED8	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
2PHMRE	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
2VKWX8	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
2VN778	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
34T64U	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
36QHMF	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3AZ4QX	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3JLYCE	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3MLA8E	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
3Q8Q98	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
3U9QA4	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
42L9XV	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
4E8NYA	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
4JZD98	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
4NEHVN	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
4TP26V	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
63BFRX	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
6BQHZE	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
6EPUWE	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
6PNLPY	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
79YU46	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
7LJA86	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
7T2RHR	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
7Z4R2U	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
82T7RW	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
89TZX6	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
8EZFHL	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8FBH77	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8K48F3	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8MAVD2	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
8NZ4C4	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	-	16	17	21	23	-	12
8PEPNQ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
8R84A2	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
92NPV4	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
9F6MZ6	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
9KWRU9	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
9RH47V	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
9VHYQD	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
9XLUAF									
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
ABA7AW	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
ADD2TZ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
AE9H7W	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
AFK7HG	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
BMJ4R6	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
C7MCYF	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
CH2DVA	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
CH2T8R	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
CNBWAM	Yfiler™ Plus								
3sp									
CZMPWF	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
D3MURT	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
DPH4YF	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
DPH7NK	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
DQDLZG	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
E72ARR	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EFMMMKG	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
EKJ673	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
ENKKLX	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
EUQEFU	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
EZA96J	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
F89ZA7	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
FNDH7X	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
G4QLAJ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
GAUKTL	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
GJZYXC	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
GKTQUU	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
GYBFBP	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
GYCKX8	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H3QFHB	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H6CGZ6	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H796UE	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
H7PQDB	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
H8LAFC	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
HHKZ6Q	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
HUZD9T	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
HV6PQA	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
J9CUG3	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
JB2CL9	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
JC7ECQ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
JJAEVT									
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
K98DVU	Yfiler™								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
KBU2AF	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
KLWUPF	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
KPRKT8	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
L3XLXF	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LU72ZV	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LXJHZ7									
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
LYHJ7X	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
M7AEK8	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
MAD2A6	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MDCC76	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MFHV98	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MM2YFA	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
MNCZ29	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N2WBEH	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
N4Z7XL	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
N9Z87V	PowerPlex® Y 23								
3sp									
NCFA3M	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NKPNYW	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NMZ7WD	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
NVQRZQ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
NXCFDC	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PK4Z6L	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
PLY4TA	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
PU98KL	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QDLC2Q	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QER3KQ	Yfiler™ Plus								
3sp									

TABLE 3

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

Item 3sp - YSTR Results

QLDW2W	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
QPY4HP	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QRHQ2J	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QV4Z2P	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QVYTQG	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QWUBTH	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
QXP7M2	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
R6723V	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RABXMV	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RAHK2A	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
RJLAPK	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
RMJ98H	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17,[18]	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
TGDEK9	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
TZ6FNX	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
UBGZMK	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UE267F	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UJY2X9	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UK7Y3W	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
UMXCU9	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
UNP6CR	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
VCCNGL	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WMUW3	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
VYJLZT	PowerPlex® Y 23								
3sp	N/A	14	11,15	14	31	23	11	13	13
	15	12	11	19	N/A	16	17	N/A	22
	N/A	12	12	16	17	N/A	23	10	12
W24F7D	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
W2R4MV	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
W99JDK	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WEEFWK	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WJNY9C	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
WUP4ZM	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
XHBYGB	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
XX329V	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Y4N779	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Y6U7BU	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YABYG9	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YGBQYX	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YH84HJ	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results									
YHMF92	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
YJXHVZ	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
YL67L6	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YN3RKB	Yfiler™								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
YVRKBM	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
YYU3M3	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12	NT	16	17	21	23	NT	12
YZPKP4	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z2DXR2	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z3AW2E	PowerPlex® Y 23								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		22
		12	12	16	17		23	10	12
Z4L2LD	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12
Z8F8UN	Yfiler™								
3sp		14	11,15	14	31	23	11	13	13
	15	12	11	19		16	17		
							23		12
ZFVQDM	Yfiler™ Plus								
3sp	35,36	14	11,15	14	31	23	11	13	13
	15	12	11	19	30	16	17	10	22
	38	12		16	17	21	23		12

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3sp - YSTR Results										
ZMBPMR	Yfiler™ Plus									
3sp	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
ZR3V4F	Yfiler™ Plus									
3sp	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
ZWH7GJ	Yfiler™ Plus									
3sp	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	
ZXXVVB	Yfiler™ Plus									
3sp	35,36	14	11,15	14	31	23	11	13	13	
	15	12	11	19	30	16	17	10	22	
	38	12		16	17	21	23		12	

TABLE 3

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 4 - YSTR Results										
36QHMF	Yfiler™ Plus									
4										
3MLA8E	Yfiler™ Plus									
4	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	
	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	No Results	
	No Results	No Results		No Results	No Results	No Results	No Results		No Results	
9F6MZ6	PowerPlex® Y 23									
4										
AE9H7W	PowerPlex® Y 23									
4										
H8LAFC	Yfiler™ Plus									
4	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	
	-	-		-	-	-	-		-	
HUBVWQ	PowerPlex® Y 23									
4										
N9Z87V	PowerPlex® Y 23									
4		NR	NR	NR	NR	NR	NR	NR	NR	
	NR	NR	NR	NR		NR	NR		NR	
		NR	NR	NR	NR		NR	NR	NR	
W2R4MV	PowerPlex® Y 23									
4		14	11,15	14	31	23	11	13	13	
	15	12	11	19		16	17		22	
		12	12	16	17		23	10	12	

TABLE 3

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

Item 4e - YSTR Results

29ACNM	Yfiler™ Plus								
4e									
YYU3M3	Yfiler™ Plus								
4e	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NT	NR	NR	NR	NR	NT	NR

TABLE 3

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

Item 4sp - YSTR Results

29ACNM

Yfiler™ Plus

4sp



YYU3M3

Yfiler™ Plus

4sp



Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
QS1	Z9CM7K	Q	Q		Q	Q	Q		
QS2	Z9CM7K	S	S		S	S	S		

DNA Interpretations

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

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
239Q97	Yes	Yes	Yes	No	3ZVAF7	Yes	Yes	Yes	No
24YH8B	Yes	Yes	Yes	No	42L9XV	Yes	Yes	Yes	No
28Z8CJ	Yes	Yes	Yes	No	4E8NYA	Yes	Yes	Yes	No
29ACNM	Yes	Yes	Yes	No	4J2HWB	Yes	Yes	Yes	No
2CQHLH	Yes	Yes	Yes	No	4JZD98	Yes	Yes	Yes	No
2DPKFT	Yes	Yes	Yes	No	4L9ZV8	Yes	Yes	Yes	No
2M8ED8	No Interp	No Interp	No Interp	No Interp	4NEHVN	Yes	Yes	Yes	No
2NLQ6K	Yes	Yes	Yes	No	4RZV6R	Yes	Yes	Yes	No
2PHMRE	Yes	No Interp	Yes	No Interp	4TP26V	No Interp	No Interp	No Interp	No Interp
2UQKAE	Yes	Yes	Yes	No	4VFT99	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2UTPUA	Yes	Yes	Yes	No	4VXLZ6	Yes	Yes	Yes	No
2VKWX8	Yes	Yes	Yes	No	4W9W73	Yes	Yes	Yes	No
2VL4CF	No Interpretations Reported, DNA Analyzed for Database purposes only.				4YHWB9	Yes	Yes	Yes	No
2VN778	Yes	Yes	Yes	No	4Z96CX	Yes	Yes	Yes	No
2ZWCGQ	Yes	Yes	Yes	No	4Z9832	Yes	Yes	Yes	No
34T64U	Yes	Yes	Yes	No	63BFRX	No Interp	No Interp	No Interp	No Interp
34UKC7	Yes	Yes	Yes	No	67ABGL	Yes	Yes	Yes	No
36QHMF	Yes	Yes	Yes	No	6BQHZE	Yes	Yes	Yes	No
38WLC3	Yes	Yes	Yes	No	6DE6GA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3AGRYY	Yes	Yes	Yes	No	6DWKZX	Yes	Yes	Yes	No
3AZ4QX	Yes	Yes	Yes	No	6EPUWE	Yes	Yes	Yes	No
3BRW9G	Yes	Yes	Yes	No	6HLL3Q	Yes	Yes	Yes	No
3JLYCE	No Interp	No Interp	No Interp	No Interp	6PNLPY	Yes	Yes	Yes	No
3K3XUH	Yes	Yes	Yes	No	6PR6D3	Yes	Yes	Yes	No
3MLA8E	Yes	Yes	Yes	No	6VUEJV	Yes	Yes	Yes	No
3Q8Q98	Yes	Yes	Yes	No	74HP6A	Yes	Yes	Yes	No
3U4G77	Yes	Yes	Yes	No	79YU46	Yes	Yes	Yes	No
3U9QA4	No Interp	No Interp	Yes	No Interp	7B3PM9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3VNFLA	Yes	Yes	Yes	No	7B3TCC	Yes	Yes	Yes	No
3XNLP2	Yes	Yes	Yes	No					

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
7EJZUK	Yes	Yes	Yes	No	9QBNX4	Yes	Yes	Yes	No
7G7RPM	Yes	Yes	Yes	No	9R2WYT	Yes	Yes	Yes	No
7HZHV3	Yes	Yes	Yes	No	9RH47V	No Interp	No Interp	Yes	No Interp
7LJA86	Yes	Yes	Yes	No	9TE2JQ	Yes	Yes	Yes	No
7T2RHR	Yes	Yes	Yes	No	9TXPFW	Yes	Yes	Yes	No
7Z4KLZ	Yes	Yes	Yes	No	9VHYQD	Yes	Yes	Yes	No
7Z4R2U	Yes	Yes	Yes	No	9WX9RQ	Yes	Yes	Yes	No
7ZXCBR	Yes	Yes	Yes	No	9XLUAF	Yes	No Interp	Yes	No Interp
82EJG9	Yes	Yes	Yes	No	A2N34H	Yes	Yes	Yes	No
82T7RW	No Interp	No Interp	Yes	No Interp	A93XUK	Yes	Yes	Yes	No
86AUE9	Yes	Yes	Yes	No	ABA7AW	Yes	Yes	Yes	No
86TP4P	Yes	Yes	Yes	No	ADD2TZ	Yes	Yes	Yes	No
88XJK8	Yes	Yes	Yes	No	AE9H7W	No Interp	No Interp	Yes	No Interp
89TZX6	Yes	Yes	Yes	No	AFK7HG	Yes	Yes	Yes	No
8EE2U9	Yes	Yes	Yes	No	AGGLVE	Yes	Yes	Yes	No
8EZFHL	Yes	Yes	Yes	No	AHQ8HY	Yes	Yes	Yes	No
8FBH77	Yes	Yes	Yes	No	AJMMUW	Yes	Yes	Yes	No
8JQ42X	Yes	Yes	Yes	No	ATRH6N	Yes	Yes	Yes	No
8K48F3	Yes	Yes	Yes	No	AU2Y99	No	Yes	Yes	No
8MAVD2	No Interpretations Reported, DNA Analyzed for Database purposes only.				B3UCKY	Yes	Yes	Yes	No
8NZ4C4	Yes	Yes	Yes	No	B6E7DT	Yes	Yes	Yes	No
8PEPNQ	Yes	Yes	Yes	No	B7UVWT	Yes	Yes	Yes	No
8R84A2	Yes	Yes	Yes	No	BDV8TP	Yes	Yes	Yes	No
8R8CPU	Yes	Yes	Yes	No	BL6LME	Yes	Yes	Yes	No
8T4R3R	Yes	Yes	Yes	No	BMJ4R6	Yes	Yes	Yes	No
8WYTVT	Yes	Yes	Yes	No	BRT9J6	Yes	Yes	Yes	No
8ZXPFY	Yes	Yes	Yes	No	BW68Y6	Yes	Yes	Yes	No
92NPV4	Yes	Yes	Yes	No	BX2PVE	Yes	Yes	Yes	No
98FH64	Yes	Yes	Yes	No	C39FVY	Yes	Yes	Yes	No
9EYLC7	Yes	Yes	Yes	No	C3LCYJ	Yes	Yes	Yes	No
9F6MZ6	No	Yes	Yes	No	C79QRY				
9KWRU9	Yes	Yes	Yes	No	C7MCYF	Yes	Yes	Yes	No
					C84ATZ	No	No Interp	Yes	No Interp

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
CH2DVA	Yes	Yes	Yes	No	EKJ673	Yes	Yes	Yes	No
CH2T8R	No Interp	No Interp	No Interp	No Interp	ENGBDX	Yes	Yes	Yes	No
CK9PGG	Yes	Yes	Yes	No	ENKKLX	Yes	Yes	Yes	No
CLKN8Y	Yes	Yes	Yes	No	EQ8JEM	No Interp	No Interp	No Interp	No Interp
CNBWAM	Yes	Yes	Yes	No	EUQEFU	Yes	Yes	Yes	No
CNRKHN	Yes	Yes	Yes	No	EX928Z	Yes	Yes	Yes	No
CPNZUL	Yes	Yes	Yes	No	EZA96J	Yes	Yes	Yes	No
CYLZ3J	Yes	Yes	Yes	No	F3GQ2U	Yes	Yes	Yes	No
CZMPWF	Yes	Yes	Yes	No	F4RTPD	Yes	Yes	Yes	No
D293LC	Yes	Yes	Yes	No	F7WCWL	Yes	Yes	Yes	No
D3LRQA	Yes	Yes	Yes	No	F89ZA7	Yes	Yes	Yes	No
D3MURT	Yes	Yes	Yes	No	F8RUXM	Yes	Yes	Yes	No
D4EHWN	Yes	Yes	Yes	No	FDED6P	Yes	Yes	Yes	No
D6VENN	Yes	Yes	Yes	No	FFLAEE	Yes	Yes	Yes	No
DAL24U	Yes	Yes	Yes	No	FNDH7X	Yes	Yes	Yes	No
DF843J	Yes	Yes	Yes	No	FQZ7GX	Yes	Yes	Yes	No
DJV7GK	No Interp	No Interp	No Interp	No Interp	FWMW28	Yes	Yes	Yes	No
DLXBMD	Yes	Yes	Yes	No	FZH8JU	Yes	Yes	Yes	No
DPH4YF	Yes	Yes	Yes	No	G3WTKT	Yes	Yes	Yes	No
DPH7NK	Yes	Yes	Yes	No	G4QLAJ	No Interp	No Interp	Yes	No Interp
DPZA4X	Yes	Yes	Yes	No	G9YJQX	Yes	Yes	Yes	No
DQDLZG	Yes	Yes	Yes	No	GAUKTL	No Interp	No Interp	Yes	No Interp
DVMX2N	Yes	Yes	Yes	No	GE4YBK	Yes	Yes	Yes	No
DWCBFZ	Yes	Yes	Yes	No	GH4Q7X	Yes	Yes	Yes	No
DXDRPX	Yes	Yes	Yes	No	GJZXYC	Yes	Yes	Yes	No
DY4YQL	Yes	Yes	Yes	No	GKTQUU	Yes	Yes	Yes	No
E238FB	Yes	Yes	Yes	No	GNFX6W	Yes	Yes	Yes	No
E67QQQ	No Interp	No Interp	No Interp	No Interp	GP777K	Yes	Yes	Yes	No
E72ARR	No Interp	No Interp	Yes	No Interp	GTLBPU	Yes	Yes	Yes	No
EBCMAQ	Yes	Yes	Yes	No	GUE4KD	Yes	Yes	Yes	No
EF4URY	No Interpretations Reported, DNA Analyzed for Database purposes only.				GUGA2T	Yes	Yes	Yes	No
EFMMMGM	Yes	Yes	Yes	No	GYBFBP	Yes	Yes	Yes	No
					GYCKX8	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
GYWCWK	Yes	Yes	Yes	No	JRMCJC	Yes	Yes	Yes	No
H37Y29	Yes	Yes	Yes	No	JUBHNN	Yes	Yes	Yes	No
H3QFHB	Yes	Yes	Yes	No	JXVYPH	Yes	Yes	Yes	No
H4JJUJ	Yes	Yes	Yes	No	K4BXZR	Yes	Yes	Yes	No
H4MXF7	Yes	No Interp	Yes	No Interp	K686QJ	Yes	Yes	Yes	No
H6CGZ6	No Interp	No Interp	Yes	No Interp	K8V97R	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H6HWTP	Yes	Yes	Yes	No	K98DVU	Yes	Yes	Yes	No
H796UE	Yes	Yes	Yes	No	K9RNJN	Yes	Yes	Yes	No
H7PQDB	Yes	Yes	Yes	No	KBU2AF	Yes	Yes	Yes	No
H7PT3F	Yes	Yes	Yes	No	KC3NR9	Yes	Yes	Yes	No
H8LAFC	Yes	Yes	Yes	No	KDY447	Yes	Yes	Yes	No
HARRD9	Yes	Yes	Yes	No	KLWUPF	Yes	Yes	Yes	No
HG984W	Yes	Yes	Yes	No	KNZHDJ	Yes	Yes	Yes	No
HHKZ6Q	Yes	Yes	Yes	No	KPRKT8	Yes	Yes	Yes	No
HNQUYM	Yes	Yes	Yes	No	KRX7LD	Yes	Yes	Yes	No
HPLABJ	Yes	Yes	Yes	No	L3XLXF	No Interp	No Interp	Yes	No Interp
HT6U8R	Yes	Yes	Yes	No	L3YTDA	Yes	Yes	Yes	No
HUBVWQ	Yes	Yes	Yes	No	L7GFXM	No Interp	No Interp	No Interp	No Interp
HUZD9T	Yes	Yes	Yes	No	LGW6G8	Yes	Yes	Yes	No
HV6PQA	Yes	Yes	Yes	No	LMHV9A	Yes	Yes	Yes	No
HVQLAH	Yes	Yes	Yes	No	LNEBK7	Yes	Yes	Yes	No
HVQNZL	Yes	Yes	Yes	No	LQLQRC	Yes	Yes	Yes	No
HYNG3C	Yes	Yes	Yes	No	LRG9TD	Yes	Yes	Yes	No
J9CRRX	Yes	Yes	Yes	No	LTCBUG	Yes	Yes	Yes	No
J9CUG3	Yes	Yes	Yes	No	LU72ZV	Yes	Yes	Yes	No
JB2CL9	Yes	Yes	Yes	No	LXJHZ7	Yes	Yes	Yes	No
JC7ECQ	Yes	Yes	Yes	No	LYHJ7X	No Interp	No Interp	No Interp	No Interp
JJAEVT	Yes	Yes	Yes	No	LZ8DVR	Yes	Yes	Yes	No
JL2UAQ	Yes	Yes	Yes	No	M7AEK8	Yes	Yes	Yes	No
JLX8XH	Yes	Yes	Yes	No	M9GJCB	Yes	Yes	Yes	No
JMA7P7	Yes	No Interp	Yes	No Interp	MAD2A6	Yes	Yes	Yes	No
JQW4GN	Yes	Yes	Yes	No	MDCC76	Yes	Yes	Yes	No
JRJANL	Yes	Yes	Yes	No					

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
MFHV98	Yes	Yes	Yes	No	PZGVHF	Yes	Yes	Yes	No
MM2YFA	Yes	Yes	Yes	No	Q234WA	Yes	Yes	Yes	No
MNCZ29	Yes	Yes	Yes	No	Q9LCFZ	Yes	Yes	Yes	No
MY9473	Yes	Yes	Yes	No	Q9PW43	No Interp	No Interp	No Interp	No Interp
N2F62E	Yes	Yes	Yes	No	QC8JTL	Yes	Yes	Yes	No
N2WBEH	Yes	Yes	Yes	No	QCMURE	Yes	Yes	Yes	No
N4Z7XL	Yes	Yes	Yes	No	QDLC2Q	Yes	Yes	Yes	No
N9VHQJ	Yes	Yes	Yes	No	QER3KQ	No	Yes	Yes	No
N9Z87V	Yes	Yes	Yes	No	QF8L4G	Yes	Yes	Yes	No
NCFA3M	Yes	Yes	Yes	No	QLDW2W	Yes	Yes	Yes	No
NFT8AA	Yes	Yes	Yes	No	QPY4HP	Yes	Yes	Yes	No
NJDYLC	Yes	Yes	Yes	No	QRHQ2J	Yes	Yes	Yes	No
NK9HMD	Yes	Yes	Yes	No	QU9Y39	Yes	Yes	Yes	No
NKPNYW	Yes	Yes	Yes	No	QV4Z2P	Yes	Yes	Yes	No
NM7ZWD	No Interp	No Interp	No Interp	No Interp	QVYTQG	Yes	Yes	Yes	No
NRQX6P	Yes	Yes	Yes	No	QWUBTH	Yes	Yes	Yes	No
NUEKN4	Yes	Yes	Yes	No	QX7XCH	Yes	Yes	Yes	No
NVQRZQ	Yes	Yes	Yes	No	QXP7M2	Yes	Yes	Yes	No
NWL8CM	Yes	Yes	Yes	No	R6723V	Yes	Yes	Yes	No
NXCFDC	Yes	Yes	Yes	No	RABXMV	Yes	Yes	Yes	No
P6QNED	Yes	Yes	Yes	No	RAHK2A	No Interp	No Interp	No Interp	No Interp
P83ENG	Yes	Yes	Yes	No	RJLAPK	Yes	Yes	Yes	No
PBWPP3	Yes	Yes	Yes	No	RMJ98H	Yes	Yes	Yes	No
PD4QKE	Yes	Yes	Yes	No	RQNPNL	Yes	Yes	Yes	No
PD9X3A	No Interpretations Reported, DNA Analyzed for Database purposes only.				RU34W8	Yes	Yes	Yes	No
PK4Z6L	Yes	Yes	Yes	No	RUYL3U	No	Yes	Yes	No
PLY4TA	Yes	Yes	Yes	No	RYCBH7	Yes	Yes	Yes	No
PQT8EZ	Yes	Yes	Yes	No	TABHPP	No	Yes	Yes	No
PU98KL	Yes	Yes	Yes	No	TB7Q88	Yes	Yes	Yes	No
PURHAZ	Yes	Yes	Yes	No	TE9PHY	Yes	Yes	Yes	No
PW2BMN	Yes	Yes	Yes	No	TGDEK9	Yes	Yes	Yes	No
PXNAFC	Yes	Yes	Yes	No	TMHVYF	Yes	Yes	Yes	No
					TZ6FNX	Yes	Yes	Yes	No

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
TZ9XQ3	Yes	Yes	Yes	No	WMNR4P	Yes	Yes	Yes	No
U47Q96	Yes	Yes	Yes	No	WPUT49	Yes	Yes	Yes	No
U6D97Z	Yes	Yes	Yes	No	WUP4ZM	Yes	Yes	Yes	No
UBGZMK	No Interp	No Interp	Yes	No Interp	WZCQYY	Yes	Yes	Yes	No
UE267F	Yes	Yes	Yes	No	X24ABJ	Yes	Yes	Yes	No
UJY2X9	Yes	Yes	Yes	No	X7VJJW	Yes	Yes	Yes	No
UK7Y3W	Yes	Yes	Yes	No	XAY3UC	Yes	Yes	Yes	No
ULKAWV	Yes	Yes	Yes	No	XAY6JF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
UMXCU9	No Interp	No Interp	Yes	No Interp	XCZVEE	Yes	Yes	Yes	No
UNP6CR	Yes	Yes	Yes	No	XEQ4F4	No Interp	No Interp	No Interp	No Interp
UUGZNX	Yes	Yes	Yes	No	XHBYGB	Yes	Yes	Yes	No
UVCJPY	Yes	Yes	Yes	No	XHNZC6	Yes	Yes	Yes	No
UWJB9Z	Yes	Yes	Yes	No	XJ4C22	Yes	Yes	Yes	No
UYCWB4	Yes	Yes	Yes	No	XMMWWA	Yes	Yes	Yes	No
V3LJBL	Yes	Yes	Yes	No	XT9YUE	Yes	Yes	Yes	No
V8WU4F	Yes	Yes	Yes	No	XU67K7	Yes	Yes	Yes	No
VBKUUX	Yes	Yes	Yes	No	XX329V	Yes	Yes	Yes	No
VCCNGL	Yes	Yes	Yes	No	XXZERG	Yes	Yes	Yes	No
VHHPQB	Yes	Yes	Yes	No	Y3UUHF	Yes	Yes	Yes	No
VJUUF	Yes	Yes	Yes	No	Y4N779	Yes	Yes	Yes	No
VN6L97	Yes	Yes	Yes	No	Y6U7BU	Yes	Yes	Yes	No
VWMUW3	Yes	Yes	Yes	No	YABYG9	Yes	Yes	Yes	No
VYJLZT	Yes	No Interp	Yes	No Interp	YCK84U	Yes	Yes	Yes	No
VZE2DQ	Yes	Yes	Yes	No	YGBQYX	Yes	Yes	Yes	No
W24F7D	Yes	Yes	Yes	No	YH84HJ	Yes	Yes	Yes	No
W298BV	Yes	Yes	Yes	No	YHMF92	Yes	Yes	Yes	No
W2R4MV	Yes	Yes	Yes	Yes	YJ2GX3	Yes	Yes	Yes	No
W4W28G	Yes	Yes	Yes	No	YJXHVZ	Yes	Yes	Yes	No
W8D2BJ	Yes	Yes	Yes	No	YJZJM7	Yes	Yes	Yes	No
W99JDK	Yes	Yes	Yes	No	YKQ9ZF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WEEFWK	Yes	Yes	Yes	No	YL67L6	No Interp	No Interp	Yes	No Interp
WF9NV9	Yes	Yes	Yes	No	YN3RKB	Yes	Yes	Yes	No
WJNY9C	Yes	Yes	Yes	No					

TABLE 5

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
YQCBXJ	Yes	Yes	Yes	No					
YR9QAG	Yes	Yes	Yes	No					
YU4ZTX	Yes	Yes	Yes	No					
YVRKBM	Yes	Yes	Yes	No					
YYU3M3	No Interp	No Interp	No Interp	No Interp					
YZPKP4	No Interp	No Interp	Yes	No Interp					
Z2DXR2	Yes	Yes	Yes	No					
Z368K4	Yes	Yes	Yes	No					
Z3AW2E	Yes	Yes	Yes						
Z46DDC	Yes	Yes	Yes	No					
Z4L2LD	Yes	Yes	Yes	No					
Z6GJNE	No Interpretations Reported, DNA Analyzed for Database purposes only.								
Z8F8UN	Yes	No Interp	Yes	No Interp					
Z9CM7K	Yes	Yes	Yes	No					
ZAQFC2	Yes	Yes	Yes	No					
ZBEKER	Yes	Yes	Yes	No					
ZBJ3DQ	Yes	Yes	Yes	No					
ZE2Z89	Yes	Yes	Yes	No					
ZFGPLZ	Yes	Yes	Yes	No					
ZFH8GW	Yes	Yes	Yes	No					
ZFT7EQ	Yes	Yes	Yes	No					
ZFVQDM	Yes	Yes	Yes	No					
ZMBPMR	Yes	Yes	Yes	No					
ZQXLB4	Yes	Yes	Yes	No					
ZR3V4F	Yes	Yes	Yes	No					
ZWH7GJ	Yes	Yes	Yes	No					
ZXXVVB	Yes	Yes	Yes	No					
ZZ39AB	Yes	Yes	Yes	No					
ZZ6B62	Yes	Yes	Yes	No					

DNA Interpretation				
Response Summary	Participants reporting DNA results: 413			
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)?				
	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	367	366	386	1
No	6	0	0	364
Inc	0	0	0	0
No Interpretation	28	35	15	35
No Response	1	1	1	2

Participants analyzing DNA for database purposes only: 11

Additional Comments

TABLE 6

WebCode	Additional Comments
239Q97	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
2M8ED8	Forensic Biology and Analytical only. Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
2PHMRE	DNA results from Item 4 were not interpreted beyond determining that the sample was a mixture of at least two individuals. No male DNA was detected at quantitation, and no Y peak was observed at Amelogenin. Because a consistent mixture ratio could not be calculated across all loci, and because the interpretation was performed manually rather than using probabilistic genotyping, the mixture was deemed unsuitable for comparison.
2UTPUA	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 = no result.
2VL4CF	Analyst only competent in labwork for known standards.
3JLYCE	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians
3Q8Q98	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
3U9QA4	Y-STR(s) tested on Item 2 and Item 3 only.
3VNFLA	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.
3XNLP2	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both fractions; however, there was incomplete separation in Fraction 1, resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
3ZVAF7	In the epi fraction of Item 3, low level peaks were detected. The low level peaks were not consistent with the sample peaks from adjacent wells on the batch. No low level peaks were detected in the negative control.
42L9XV	Item 3 (e) - minor contributor is present below ST but meets [Laboratory] requirements for comparison and reporting.

TABLE 6

WebCode	Additional Comments
4E8NYA	a) STRs and Y-STRs profiles obtained from the spermatric fraction of item 3 (questioned stain from the victim's underwear) matched with the genetic profile from Item 2 (male suspect) (random match probability of 1 in 1.634×10^{30}). b) 27 of 27 STR's, as well as 23 of 23 Y-STRs from Item 2 (Male suspect) are present on mixture profile obtained from epithelial fraction obtained in Item 3 (questioned stain on the victim's underwear). The CODIS analysis (Forensic mixture) determined values > 99.9999999999% exclusion probability and 4.824×10^{-15} % inclusion probability for another unrelated genetic profile. By other hand, an LR Ratio of 2.09×10^{29} was obtained for the relationship analysis between H1/H2 where: H1, the Item 2 (Male suspect) is not a contributor on mixture in Item 3 and H2, the Item 2 (Male suspect) is a contributor on mixture in Item 3. c) 27 of 27 STRs from Item 1 (female victim) are present on mixture profile obtained from Item 4 (questioned stain on the break room couch). The CODIS analysis (forensic mixture) showed exclusion probabilities greater than 99.9999999999% and inclusion probability of 2.646×10^{-16} for any unrelated genetic profile. On the other hand, a likelihood ratio (LR) of 4.71×10^{33} was obtained for the relationship analysis between H1/H2, where H1: Item 1 (female victim) is not a contributor to the Item 4 mixture, and H2: Item 1 (female victim) is a contributor to the Item 3 mixture.
4J2HWP	NR = No Result. For items interpreted with STRmix (Items 3 and 4), reported alleles represent all alleles imported for STRmix interpretation.
4JZD98	NR=No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore, this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. 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.
4TP26V	The scientist assigned to this test is qualified in extraction through CE but not interpretation. A second scientist analyzed the data for Items 3 and 4 to confirm correct results were obtained.
4VXLZ6	Drop out of minor female contributor observed in the NS fraction of sample 3.
4YHWP9	NR is short for No Results.
4Z96CX	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.
63BFRX	Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. No comparisons or interpretations were made. NT = Not Tested.
67ABGL	For items 3 and 4, the results include all detected alleles along with the associated stutter peaks. This reflects the data that is imported into STRmix in order to perform probabilistic genotyping.
6BQHZE	NR= no result
6DWKZX	Additional testing was conducted on Item 3. All associated reagent blanks, swab blank, negative and positive amplification controls, and positive digestion controls for the overall test yielded the expected typing results. The minor results reported are most likely inherent to Item 3, as indicated by the additional testing.
6EPUWE	NR = no result
6PNLPY	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
6PR6D3	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
6VUEJV	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for the epithelial cell (F1) and sperm cell (F2) fractions; however, there was incomplete separation in one fraction (epithelial cell/F1), resulting in a mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
79YU46	Item 3 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. DNA interpretation is for STR data not YSTR data.
7G7RPM	STRmix analysis was conducted on this test. In sample Q1.4.1 at FGA there was a low level 18 allele in the profile that was analyzed as drop-in with STRmix according to our procedures.
7HZHV3	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
7LJA86	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the semen donor. No alleles are present that cannot be attributed to either the victim or the semen donor from the sperm fraction.
7Z4R2U	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
7ZXCBR	Stutter peaks not called off for Items 3 and 4 due to use of STRmix
82EJG9	For item 3 epi fraction, DNA from at least three people was detected with the majority of the DNA originating from a male and a female. In the profiling results the alleles for the trace contributor are in brackets. The probabilistic genotyping software STRmix v2.10 was used to resolve the mixed DNA profiles obtained from samples 3 & 4. The results listed in the CTS report reflect DNA profiles with stutter filters on.
82T7RW	NT = not tested. Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. Examination and DNA processing completed by analyst(s) different from the reporting analyst.
86AUE9	ND = Not Determined
86TP4P	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
89TZX6	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both fractions; however, there was incomplete separation in one or both fractions, resulting in mixture profile. Allele calls from both donors were observed in the profile due to the incomplete separation.
8EZFHL	STR profile from Item 3 fraction 1 (epithelial - sample A3A.1) had two drop-in peaks that were removed from the final profile. D22S1045 - 11 allele. D2S1338 - 25 allele. This is a two person mixture and there was no indication across the profile of a third contributor.
8JQ42X	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
8K48F3	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 resulting in a mixture. This is a normal observation routinely occurring in casework.
8MAVD2	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
8NZ4C4	It should be noted that Amel and the male markers are not included in the STRmix interpretation for single source samples or mixtures. Only the sperm fraction of item 3 was amplified with YFP, the non-sperm fraction was not amplified with YFP which is why there are no results for 3e in the YSTR section.
8R84A2	Additional peaks not attributed to the victim or suspect were detected in the epi fraction of item 3 (victim underwear). These extra peaks are NOT consistent with the analyst (me) performing lab work, NOT consistent with surrounding samples, and NOT detected in the negative controls.
8R8CPU	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
8T4R3R	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
9QBNX4	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.
9R2WYT	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.
9RH47V	Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. No comparisons or interpretations were made to samples that did not have male DNA. NT = Not Tested.
9TE2JQ	Based on the laboratory's proficiency test schedule, Y-STR analysis and Individual Characteristic Database entry are performed once per calendar year. Y-STR analysis and Individual Characteristic Database entry were not performed on this proficiency test.
9TXPFW	Body fluid screening is marked "Not Tested" because this analyst does not conduct screening tests for body fluids.

TABLE 6

WebCode	Additional Comments
9VHYQD	Extraction: Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Applied Biosystems™ Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System. Amplification: Using the in- situ method, Item 1 and Item 2 were amplified using the Applied Biosystems™ GlobalFiler™ Express PCR Amplification Kit on the Applied Biosystems™ ProFlex™ 96-well PCR System. Item 2 was also amplified using AmpFLSTR Yfiler™ PCR Amplification kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ PCR Amplification kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 was also amplified using AmpFLSTR Yfiler™ PCR Amplification kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed with the Applied Biosystems™ GeneMapper™ ID-X Software v1.5. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results. Remark: "NM" denotes non-male profile.
9WX9RQ	A partial profile was obtained for the victim on item 3 in this test, at D1S1656 and D7S820. The victim is the lesser contributor of the mixture (7%). The majority of the called alleles attributable to the victim in the profile are within the stochastic region; therefore, drop-out or stochastic amplification of the dominant contributor may be occurring.
9XLUAF	An indistinguishable, mixture DNA profile was obtained from Item 4. Per laboratory protocols, no further interpretation was conducted.
ABA7AW	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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. Performed Y23 analytical work. Data entry was advised by Y23 interpretation trained analyst.
ADD2TZ	The non-sperm fraction of item 3 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.
AFK7HG	Extraction : 1) Item 1 and Item 2 were extracted using in-situ method. 2) Item 3 and Item 4 were extracted using DNA Investigator Kit via QIA Symphony SP. Quantification : Item 3 and 4 were quantified using Quantifiler Trio DNA Quantitation Kit on QuantStudio 5. Amplifications : 1) Item 1 and Item 2 were amplified using the GlobalFiler Express kit on Proflex PCR System. 2) Item 3 and Item 4 were amplified using the GlobalFiler PCR Amplification Kit on 9700 GeneAmp PCR System. 3) Item 2 and Item 3 were also amplified using AmpFISTR Yfiler kit on 9700 GeneAmp PCR System. Electrophoresis : Capillary electrophoresis on all amplified samples (GlobalFiler Express, Globalfiler PCR and Yfiler) were carried out on Genetic Analyzer 3500xL. Quality Control : Reagent Blank, Positive Control and Negative Control were carried out along with the analysis and all gave the intended results. NM: non-male profile.
AGGLVE	Item 003e: at D22, there is a 16 allele that is being filtered out by the stutter filter; at D12, there is a 17 allele that is being filtered out by the stutter filter.
AHQ8HY	No YSTR amplification kit was used for this proficiency test because I am not currently qualified in that technology.
AJGFJN	Not authorized in DNA analysis. -Only authorized in blood detection and collections.
B3UCKY	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 6

WebCode	Additional Comments
B6E7DT	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.
B7UVWT	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
BDV8TP	DNA interpretation was based on data produced by another qualified analyst. Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
BL6LME	NR = No results. ^ = Indicates peaks below stochastic threshold.
BRT9J6	NR = No results. NT = Not tested.
BW68Y6	Biology portion performed by [Name] and reviewed by [Name]. DNA portion performed by [Name] and reviewed by [Name].
C39FVY	N/A = Not applicable. NR = No typing results.
C79QRY	Only reporting biological screening for items 3 and 4, no DNA typing conducted, and no interpretation performed on these items. DNA typing conducted on items 1 and 2 only. This is the extent to which the analyst is authorized to perform testing in the laboratory.
C7MCYF	STR profile from epithelial fraction of Item 3 (sample C3A.1): Most stutter was within normal range, but elevated stutter was also noted and removed from the final profile (15 at D8 and 21 at SE33). In addition, two drop-in peaks were observed and removed from the final profile (11 at D22 and 25 at D2S1338).
C84ATZ	This laboratory does not perform differential extraction. This laboratory only performs the identification of mixtures of genetic profiles, and interpretation is beyond its scope. Exist the presence a microvariant in the item 1 and item 4, which is reported in base pairs.
CH2DVA	1. Extraction: In situ extraction method was used to extract DNA from Item 1 and Item 2. Chelex extraction method was used to extract DNA from Item 3 and Item 4. 2. Quantification: DNA Quantification for Item 3 and Item 4 was carried out using Quantifiler Human DNA Quantification Kit with Applied Biosystems QuantStudio 5 Real-Time PCR System. 3. Amplification: Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 1 and Item 2 using Globalfiler Express PCR Amplification Kit on the Proflex PCR System. Amplification of STR (Short Tandem Repeat) Genetic Loci was carried out on Item 3 and Item 4 using Globalfiler PCR Amplification Kit on the Proflex PCR System. Amplification of Y-STR (Short Tandem Repeat) Genetic Loci was carried out on Item 2 and Item 3 using the AmpFLSTR Y-File PCR Amplification Kit on the Proflex PCR System. 4. Electrophoresis: Electrophoresis was carried out using Applied Biosystem 3500 xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-File was carried out using Applied Biosystem 3500xL with GeneMapper ID-X Software for Item 2 and Item 3. 5. Reagent blank, Positive Control and Negative Control were carried out throughout the analysis and all gave intended results. 6. NM = Non Male profile.
CH2T8R	NT = not tested. No interpretation. Testing and analysis done but no comparisons made.

TABLE 6

WebCode	Additional Comments
CLKN8Y	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.
D3LRQA	Testing for saliva, human origin, and Y-screening were not performed in this test because the laboratory does not offer those types of testing. YSTR results were not reported in this test because the analyst is not authorized to perform this type of testing. Certain autosomal STR loci were not reported due to the amplification kit used (GlobalFiler).
DAL24U	Item 03 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.
DJV7GK	This test was performed by an analyst who is authorized to perform forensic analytical testing. STR data, characterization, and STRmix analysis was performed by an authorized DNA analyst for the purpose of obtaining STR genotypes and genotype tables for data entry. No DNA interpretations of this data will be made. Item 3 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.
DLXBMD	For items 3 and 4, the results include all detected alleles along with the associated stutter peaks. This reflects the data that is imported into STRmix in order to perform probabilistic genotyping.
DPZA4X	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
DVMX2N	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
DWCBFZ	Item 3: It is at least 10^{33} times more probable that the trace is come from Victim and Suspect contribution than from 2 other unknown person. Hp: Victim + Suspect. Hd: 2 unkn. Log10LR = 3,5E+01 (LRMixStudio), 3,7E+01 - 3,3E+01 - 3,3E+01 (LabRetriever), 5,1E+01 (DNAMView), 5,0E+01 (EFM). Item 4 It is at least 10^{14} times more probable that the trace is come from Victim a than from other unknown person. There is no evidence of Suspect contribution Hp: Victim. Hd: 1 unkn. Log10LR = 1,5E+01 (LRMixStudio), 1,7E+01 - 1,4E+01 - 1,4E+01 (LabRetriever), 2,2E+01 (DNAMView), 2,0E+01 (EFM).
DXDRPX	Possible drop in alleles present: 11 at D22S1045 and 25 at D2S1338.
E67QQQ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
EBCMAQ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
ENGBDX	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.
ENKKLX	NID=no interpretable data Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used however to calculate a likelihood ratio on the following propositions: item 3e: 1s2s/1sU. item 3sp:2s/U. item 4: 1sU/UU. item 1 ANDE additional loci not used for stats item 2 RAPID HIT additional loci not used for stats.
EQ8JEM	Knowns were tested using RapidHIT ID DNA technology. Item 2 was not interpretable due to a yellow check result.
EUQEFU	The '19' allele reported at D3S1358 and the '9' allele reported at TH01 for Item 3 epi fraction (F1) is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
EX928Z	Biology reviewed by [Name]. DNA reviewed by [Name].
EZA96J	Minor contributor for Item 3 (e) falls below ST indicating possible drop out of allele(s), but the profile meets typical [Laboratory] requirements for comparison and reporting.
F7WCWL	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
F89ZA7	Extraction: - Item 1 and Item 2 were extracted using the in-situ DNA extraction method. - Item 3 was extracted using the differential extraction method. - Item 4 was extracted using Automate Express Forensic DNA Extraction System with Prepfilr Express Kit method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Trio DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: -Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification kit on the 9700 GeneAmp PCR System. -Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification kit on the 9700 GeneAmp PCR System. -Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 3 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 (Globalfiler Express); Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 2 and Item 3. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Abbreviation: NM : Non-male Profile.
FFLAEE	Presumptive testing detected the possible presence of blood on Items 3 and 4. Spermatozoa were observed on Sample 1C1, which confirms the presence of semen. Semen was not detected on Sample 1D1.
FWMW28	NR=no result; n/a=not applicable
G4QLAJ	Y-STR analysis only. Ex1 and Ex4 were stopped at Quant since no male DNA detected.
G9YJQX	NR = No result. For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation.
GAUKTL	NT = Not Tested. This proficiency is for YSTR only. All samples were extracted according to laboratory protocol, but only samples with a positive quantitation value for male DNA proceeded to YSTR amplification.

TABLE 6

WebCode	Additional Comments
GE4YBK	Item #3 EC - four trace alleles were detected (reported). The re-amplification of #3 EC reproduced three of the four, and produced additional trace alleles. The resample of #3 EC reproduced two of the detected alleles, and produced one additional trace allele. The following were free of trace alleles: items #1, #2, and #4; all accompanying reagent and PCR blanks; the quality control (QC) positive controls associated with both samples of Item #3; and casework samples processed by me in the same time interval. The trace alleles detected appear to be inherent to item #3.
GH4Q7X	NR = No Results. Elevated N+/-4 stutter peak (13 allele) was observed at locus D8S1179 in Item 3 NS.
GKTQUU	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
GP777K	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.
GTLBPU	NR=no results
GUGA2T	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.
GYCKX8	For sample G3A fraction 1, a 25 allele was noted at D2S1338 and removed from the final profile as drop-in. No other indication of a third contributor was observed in this profile.
GYWCWK	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 due to the incomplete separation.
H37Y29	For items 3 and 4, the results include all detected alleles along with the associated stutter peaks. This reflects the data that is imported into STRmix in order to perform probabilistic genotyping.
H4JJUJ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
H4MXF7	An indistinguishable, mixture DNA profile was obtained on Item 4. Per laboratory protocols, no further analysis was conducted.
H6CGZ6	Testing for saliva, human origin, and y-screening were not performed in this test because the laboratory does not offer those types of testing. Autosomal STR results were not reported in this test because analysts are only required to complete this in one proficiency test per year. Additionally, certain Y-STR loci were not reported due to the amplification kit used (Yfiler Plus). No interpretation noted where at least one of the items involved was not typed in Y-STRs due to no male being detected by Quant Trio.
H796UE	STRmix used for analysis; therefore, stutter peaks left in profiles.
H7BKVZ	Only trained in blood and collections.
HHKZ6Q	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
HNQUYM	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
HPLABJ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
HT6U8R	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.
HV6PQA	For Item 3e, elevated forward stutter observed at D8 and D18.
HVQLAH	Possible elevated stutter was left in because of STRmix analysis
HVQNZL	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.
J9CRRX	For Item 4.0Q, no results were obtained for D10S1248 and FGA due to possible inhibition.
J9CUG3	Extraction: Item 3 was extracted using Differential Chelex Extraction. Item 4 was extracted using Automated ABI PrepFile Express. Quantification: Item 3 and Item 4 were quantified using the Quant Trio DNA Quantitation kit and carried out by QuantStudio 5 Real-Time PCR. Amplification: Using the in-situ method, Item 1 and Item 2 were amplified using GlobalFiler Express Kit on 9700 GeneAmp PCR system. Item 3 and Item 4 were amplified using GlobalFiler Kit on 9700 GeneAmp PCR System. Item 2 and Item 3 were amplified using AMPFISTR YFiler Kit on 9700 GeneAmp PCR system. Electrophoresis: The electrophoresis was carried out by Genetic Analyser 3500xl and the data were analyzed with GeneMapper ID-X software. Quality Control: Reagent blank, positive control, and negative control were carried out along with the analysis and all gave the intended results. *NM denotes non-male profile.
JLX8XH	Item 3- The 17 allele at D12 falls below the stutter ratio cut off, so GMIDX did not call that allele. Per lab protocol since this sample is from an intimate item and all other alleles belonging to the victim are present the victim's profile (Item 1) would be assumed.
JMA7P7	No serology was performed; therefore, based on the scenario, both evidence items went to differential extraction. An indistinguishable profile was obtained for Item 4. It was not interpreted per lab policy.
JQW4GN	Item 3 e: 25 @ D2S1338 possible drop-in.
JRJANL	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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
JXVYPH	DNA interpretation was based on data produced by another qualified analyst. Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
K4BXZR	"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.
K98DVU	Male DNA was undetermined by Quantifiler Trio in Item 04 and was therefore marked as inconclusive.
K9RNJN	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
KDY447	^ indicates peaks below stochastic threshold as per [Laboratory] policy.
KNZHDJ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
KPRKT8	Extraction: - Item 1 and Item 2 were extracted using in situ method. - Item 3 and Item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP. Quantitation: - 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 3 were amplified using AmpFLSTR Yfiler PCR Amplification kit on ABI GeneAmp PCR System 9700. Electrophoresis: - Electrophoresis of GlobalFiler Express for Item 1 and Item 2 were carried out on Genetic Analyzer 3500xL. -Electrophoresis of GlobalFiler for Item 3 and Item 4 and Y-Filer for Item 2 and Item 3 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
L3XLXF	This test was performed for Y-STR analysis only. Given this, no interpretation for Item 1 to Item 3 or Item 4 and no interpretation for Item 2 to Item 4. Item 4: AP = inconclusive due to green substrate color.
L3YTDA	For items 3 & 4, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report reflect DNA profiles with stutter filters on.
L7GFXM	Modified Rapid DNA analysis conducted: Item 1 with ANDE I-Chip, Item 2 with RapidHit. Item 1: ANDE results 23/24 loci, SE33 not reported per protocol. Items 3 and 4 not processed, no DNA interpretation conducted
LMHV9A	Presumptive testing detected the possible presence of blood on Items 3 and 4. Spermatozoa were observed on Item 3, which confirms the presence of semen. Semen was not detected on Item 4. Visual examination with an Alternate Light Source was performed on Items 3 and 4.
LNEBK7	For items 3 and 4, the results include all detected alleles along with the associated stutter peaks. This reflects the data that is imported into STRmix in order to perform probabilistic genotyping.
LTCBUG	Trace alleles were detected in the Item 3EC. These are documented in brackets. The trace alleles were searched within the laboratories Quality database, and no DNA profiles were consistent. All controls (reagent blanks, negative amp and positive amp controls) typed as expected. Substrate controls were taken by cutting (sub 1) and swabbing the area around the stain (sub 2). No trace alleles were detected in the sub 1 sample, however, two trace alleles were detected in the sub 2 sample. All controls run with the substrate controls (reagent blanks, negative amp and positive amp controls) typed as expected.
LTUYZW	Not Authorized in DNA Testing or Interpretation. Only Authorized in Blood Detection and Collections.
LU72ZV	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profiles obtained from Item 3 and from Item 4 . The results listed in the CTS report reflect the DNA profiles with stutter filters on.
LYHJ7X	The scientist assigned is qualified in extraction through CE and not in data analysis for casework samples. Data was analyzed by a second scientist to confirm correct results were obtained.

TABLE 6

WebCode	Additional Comments
LZ8DVR	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.
M9GJCB	NR = No DNA Results
MDCC76	Sample D3 noted elevated back and forward stutter in both fractions including N-8 in fraction 2 (sp). Additionally, fraction 1 (e) displayed a drop-in peak at D2S1338.
MNCZ29	For items 3e and 4, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report reflect DNA profiles with stutter filters on.
N2F62E	Several trace alleles were detected in Item 3 EC fraction. This sample was re-injected and re-amplified and several trace alleles were still detected. Upon re-sampling Item 3, no trace alleles were detected above analytical threshold in the EC fraction (several peaks below analytical threshold are consistent with trace alleles that were previously detected). All reagent blanks and negative amplification controls typed as expected (no alleles). The trace alleles are not a result of contamination of the reagents, consumables, and processing. The trace alleles appear inherent to Item 3 substrate and/or stain.
N2WBEH	The 17 allele reported at D18S51 and the 9 allele reported at TH01 for Item 3e is defined per laboratory protocol as additional data not impacting the interpretation of the results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
N4Z7XL	The 9 allele reported at TH01 for Item 3 e is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation. The 22.2 allele reported at FGA for Item 3 e is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
N8ZYPH	Serology only.
N9VHQJ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
NCFA3M	The non-sperm fraction of item 3 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 that cannot be attributed to the victim or the donor of the sperm fraction. The non-sperm fraction of Item 3 is a mixture. The victim can be considered a contributor to the mixture. Two victim alleles (11 at D2S441 and 17 at D12S391) were filtered as stutter when analyzed with GMID-X and therefore not included in the Item 3 DNA results table. Stutter was retained for the STRmix import file.
NFT8AA	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
NJDYLC	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
NK9HMD	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
NMZ7WD	NT = Not tested. Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. No comparisons or interpretations were made.

TABLE 6

WebCode	Additional Comments
NUEKN4	Item 3 NSF interpreted as NOC 2 w/ Item 1 (victim) assumed as a contributor for deconvolution and interpretation.
NVQRZQ	LR calculated with STRmix v2.7 using the [Location Identifying Population]. Item 3 - epithelial fraction LR = 2.3405E24. Item 3 - sperm fraction LR = 3.2961E24.
NWL8CM	No YSTR amplification kit was used for this proficiency test because that technology is only done once per calendar year.
NXCFDC	DNA results were obtained for Item 2 using Rapid DNA technology (RapidHit ID). The profile obtained is concordant with the Globalfiler profile obtained from Item 2 that was reported to CTS.
P83ENG	The male quant value for Item #4 falls within our false positive range. The result will be reported as "negative".
PD4QKE	Body fluid screening marked with "Not Tested" was marked as is, because this analyst does not conduct that specific body fluid screening.
PLY4TA	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
PQT8EZ	reporting results with stutter filters on
PU98KL	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. NR=No Result.
PZGVHF	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
Q9LCFZ	^ indicates peaks below stochastic threshold as per [Laboratory] policy.
Q9PW43	I am not qualified for mixture interpretation. No interpretation was performed.
QC8JTL	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. NR=no results.
QPY4HP	Items 3 and 4 were also analysed using the Minifiler multiplex. Where DNA results were obtained these were concordant with the Identifiler Plus results of these samples. The probabilistic genotyping software STRmix was used to resolve the mixed DNA profiles obtained from sample 3e and sample 4. The results listed in the CTS report reflect DNA profiles with stutter filters on.
QRHQ2J	The non-sperm fraction of item 3 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 the victim or the donor of the sperm fraction. One victim allele (17 at D12S391) was filtered as stutter when analyzed with GMID-X and therefore not included in the Item 3 DNA results table. Stutter was retained for the STRmix import file.
QV4Z2P	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from sample 3 (epithelial fraction) and sample 4. The results listed in the CTS report reflect DNA profiles with stutter filters on. DNA from a third contributor (trace level) was detected in sample 3 (epithelial fraction). The results for this contributor were not suitable for comparison purposes and have been indicated by bracketed alleles in the CTS report.

TABLE 6

WebCode	Additional Comments
QWUBTH	The 15 allele reported at D2S441 for Item 3F1 is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. This peak was further evaluated as stutter probabilistically using STRmix to support this interpretation.
QX7XCH	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.
QXP7M2	Extraction: - Item 1 and Item 2 were extracted using in-situ method. - Item 3 was extracted through differential method using DNA Investigator kit on QIASymphony SP automation platform. - Item 4 was extracted using DNA Investigator kit on QIASymphony SP automation platform. Quantification: - Item 3 and Item 4 were quantitated using Quantifiler Trio DNA Quantification kit on Quant Studio 5 Real-Time PCR System. Amplification: - Item 1 and Item 2 were amplified using GlobalFiler Express using Proflex PCR System - Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR System 9700. - Item 2 and Item 3 were further amplified using AmpFISTR Yfiler PCR Amplification kit on GeneAmp PCR System 9700. Electrophoresis: - Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler) while Item 2 and Item 3 (Yfiler) were run on ABI 3500xL Genetic Analyzer. Quality Control: - Reagent blank, positive control and negative control were incorporated throughout the analysis and gave intended results. NM represents non-male profile.
R6723V	NR - No Results
RABXMV	NR = No result
RAHK2A	Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. No comparisons or interpretations were made. NT = Not tested.
RMJ98H	The 19 allele reported at D3S1358 for Item 3 sp is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. This peak was further evaluated as stutter probabilistically using STRmix to support this interpretation. The 18 allele reported at DYS458 for Item 3 sp is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile.
RQNPNL	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.
RYCBH7	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
TB7Q88	Full profiles were obtained for the epithelial cell and sperm cell fractions for item 3; 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 incomplete separation.
TGDEK9	Only the lab work beginning with amplification was completed by this analyst, no interpretations were made for Y23. Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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 6

WebCode	Additional Comments
TMHVYF	NID - No Interpretable Data. Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio for the following proposition: Item 3: 1s2s_1sU. Item 3.1: 1s2s_1sU. Item 3f1: 1s2s_1sU. Item 3f2: 2s_U. Item 4: 1sU_2U. After the initial differential for Item 3 (3f1, 3f2), I would not have re-extracted with ALV (item 3.1 above) or modified general (item 3 above). Item 3.1 reported to CTS. Y-STRs conducted on item 3.1 only for purposes of reporting to CTS.
TZ6FNX	1) Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 and Item 4 (differential extraction method) were extracted using the QIAAsymphony DNA Investigator kit on QIAAsymphony SP. 2) Quantification: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 3) Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ABI ProFlex PCR System. -Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. -Item 2 and Item 3 were further amplified using AmFISTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 4) Electrophoresis: -Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). -Electrophoresis was also carried out on Genetic Analyzer 3500xL for Item 2 and Item 3 (Y-Filer). 5) Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. 6) NM represent Non-male profile.
TZ9XQ3	For items 3 and 4, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report reflect DNA profiles with stutter filters on.
U47Q96	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
U6D97Z	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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. Additionally for item 3, called alleles in the profile at the D7S820 locus were in the stochastic region and drop out of the victim occurred. Despite multiple attempts, all alleles for the victim were not obtained, indicating a potential problem with sample quality.
UE267F	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction. The non-sperm fraction of Item 3 is a mixture. The victim can be considered a contributor to the mixture. Three victim alleles (11 at D2S441, 11 at D5S818, and 24.2 at SE33) were filtered as stutter when analyzed with GMID-X and therefore not included in the Item 3 DNA results table. Stutter was retained for the STRmix import file.
UK7Y3W	For the Item 3 e profile, an 11 was called at D22 at a peak height of 80rfu. Per the Casework Standard Operating Procedures this was identified as possible drop-in (below 120rfu and not consistent with the peak heights of the two contributors). This peak was reported here and used in the STRmix deconvolution of the profile. STRmix also identified it as drop-in and did not attribute it to either of the two contributors.
ULKAWV	Reported with stutter filters on.
UMXCU9	Y-STR analysis only. Items 1 and 4 had no male DNA detected.
UNP6CR	NR= no results
UVCJPY	3NF conditioned on vict however some allele drop out was observed in the profile.
UYCWB4	Item 3 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 fraction, resulting in a mixture profile. Allele calls from both donors were observed in the profile from the F1 fraction due to the incomplete separation.
V8WU4F	A very low amount of male DNA was detected in Item 4 at the DNA quantitation stage of analysis. No male specific types were detected. No additional testing to determine the source of this male DNA was performed at this time.

TABLE 6

WebCode	Additional Comments
VCCNGL	DNA interpretation notes on Item 3. Mixture of DNA from at least three people with majority of DNA originating from at least two people, Complainant + Suspect. Remaining trace contribution is bracketed in results. Y STR results are not used in the interpretation. The probabilistic genotyping software STRmix was used to resolve the mixed DNA profiles obtained from samples (3e & 4). The results listed in the CTS report reflect DNA profiles with stutter filters on.
VHHPQB	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
VN6L97	Victim (Item 1) is included as a filtered stutter peak on Item 1C1.1 (17 @ D12):
WVMUW3	In sample 3(e), additional trace types were initially detected at D16S539 and D12S391, however, these trace types could not be confirmed on re-amplification or re-extraction, and are not being reported to CTS.
VYJLZT	No interpretation performed on Item 4 due to lab policy of not interpreting unresolved mixtures.
W24F7D	The 18-allele reported at D3S1358 for Item 4 is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. The 19-allele reported at D3S1358 for Item 3 (Sp fraction) is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
W2R4MV	At quantification, a low amount of male DNA was detected in Item 4. This sample contained a total of 202 pg of male DNA resulting in an Auto:Y ratio of 1335.4. These results indicated an unexpected result to the analyst. The Item 4 extract was re-quantified, and a similar low amount of male DNA was detected (135 pg total male, Auto:Y ratio of 2941.3). An additional portion of Item 4 was extracted and quantified yielding male DNA at a similar level (151pg total male, Auto:Y ratio of 1573.5). Since no DNA was detected in the reagent blanks from the separate extractions and similar amounts of male DNA was obtained from two different areas of the stain for Item 4, it appears that the male DNA may be inherent to the sample as it was received from the manufacturer. The autosomal STR profile obtained for Item 4 was from two female individuals. No male profile was detected. Y-STR testing was conducted on Item 4 due to the presence of male DNA. To target an appropriate amount of Y-STR DNA, the sample required full concentration and consumption for amplification. A full, single male Y-STR profile was obtained from Item 4 and this Y-STR profile matched the Y-STR male profiles obtained from Item 2 and Item 3. The Y-STR profile obtained from Item 4 was reported for the purposes of this proficiency test.
W4W28G	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.
W8D2BJ	Trace third donor noted in item 3 F1 fraction. Reproducible upon re-amp. Peaks added in brackets.
WJNY9C	There is apparent low level contamination in Item 3. Low level alleles were detected in the epithelial fraction at D16S539 (allele 14), D21S11 (allele 31), and SE33 (allele 27). The low level alleles detected are not consistent with our laboratory's positive extraction control, the one other casework sample processed at the same time as the proficiency sample, or with the analyst (myself) who did all the laboratory work on this test. No DNA was detected in the negative extraction controls (at the quantitation step or after amplification).
WUP4ZM	NR: No results
WZCQYY	NR = no results. INC = inconclusive.

TABLE 6

WebCode	Additional Comments
X24ABJ	Item 3e, At Locus D8S1179 allele (13) and at Locus D18S51 allele (14), the lab suspects that these alleles are elevated stutter but have to include in the report/profile due to the PHR percentages are higher than observed maximum minus and plus stutter from validation data. Item 3sp, At Locus D8S1179 allele (13), the lab suspects that this allele is an elevated stutter but have to include in the report/profile due to the PHR percentages are higher than observed maximum minus and plus stutter from validation data.
X7TEWE	Y-screening conducted on items 3 and 4 only. Male DNA was indicated in item 3 only.
XAY3UC	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
XCZVEE	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.
XEQ4F4	Knowns tested using RapidHIT DNA technology. Item 2 was not interpretable due to a yellow check result.
XJ4C22	This test was conducted without body fluid identification testing performed. The samples were pushed forward through the workflow based on the case scenario. In this case, because of the indication of sexual assault, both samples were pushed forward for a differential extraction. Item 3 and item 4 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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
XT9YUE	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. NR = No results.
XU67K7	Body fluid screening was marked 'Not Tested' because this analyst does not conduct body fluid screening.
XXZERG	Item 3 (e): minor allele (10) at DYS391 is elevated n-4 stutter at 11.2%. Item 3 (e): minor allele (21) at SE33 is elevated n+4 stutter at 3.2%. Item 3 (sp): minor allele (13) at D8S1179 is elevated n-4, n+4 (additive stutter). Item 3 (sp): minor allele (13) at D5S818 is elevated n+4 stutter at 1.5%
Y3UUHF	For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation. NR = No Result.
YH84HJ	Note for Item 3 EF: 13 allele at D8S1179 is not consistent with victim (Item 1), but below combined stutter filter.
YHMF92	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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. DNA amplification with GlobalFiler/PowerPlex Y23 and interpretation only, using extracts and quantification data provided by another qualified analyst.

TABLE 6

WebCode	Additional Comments
YJ2GX3	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.
YJXHVZ	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
YL67L6	Test for Y-STR only. Since no DNA was detected from items #1 and #4; these samples were halted at quant per lab policy. Therefore, no interpretation. NT = Not Tested. No serology performed on this test.
YN3RKB	* OUR LAB DOES NOT ROUTINELY SCREEN FOR SALIVA, HOWEVER SWABS ARE TAKEN FROM POTENTIAL SALIVA SAMPLES/ ITEMS AND ARE FORWARDED TO DNA DEPARTMENT FOR FURTHER ANALYSIS. * ITEM (4) Questioned stain from breakroom couch (green) SHOWED MIXTURE OF THE FEMALE VICTIM (ITEM 1) PROFILE AND UNKNOWN FEMALE PROFILE.
YR9QAG	Item 3: AP test was inconclusive - faint color change around the outer edge of the well consistent with a positive result, but remainder of liquid was either red-brown due to stain leeching or the color change consistent with a negative result. However, p30 test was positive and sperm were seen. Therefore, semen was detected. Item 3_NS: There was a 13 allele @ D8 and a 12 allele @ D13 that were called and are consistent with a combination of N+/-4 stutter. Therefore, STRmix was ran as NOC:2 and these peaks are not included in the CTS table. NR = No results NT = Not tested.
YR9TYK	This CTS is for serology testing only.
YU4ZTX	DNA interpretation was based on data produced by another qualified analyst. Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
YVRKBM	Extraction: - Item 1 and Item 2 were extracted using in-situ extraction method. - Item 3 (semen stain) was extracted using Chelex differential extraction method. - Item 3 (bs) and Item 4 (bs) were extracted using the Automate Express by Prepfil Express Kit. Quantification: - Item 3 and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: - Item 1 and Item 2 were amplified using GlobalFiler Express Amplification Kit. - Item 3 and Item 4 were amplified using GlobalFiler Amplification Kit. - Item 2 and Item 3 were amplified using Y-Filer Kit. - All amplification performed on ProFlex PCR System. Electrophoresis: - All amplified products were run on Genetic Analyzer 3500. Quality Control: - Reagent blank, positive control and negative control were included throughout the analysis, and all gave the intended results. Remarks: NM: Non-male profile.
YYU3M3	Per policy, this proficiency test covers Yfiler Plus testing only. Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed. No comparisons or interpretations were made. Benchwork performed by qualified DNA analyst. Analysis performed by reporting DNA analyst. NR = no results. NT = not tested.
YZPKP4	Samples were processed according to laboratory protocols. Only samples containing male DNA were amplified and analyzed.
Z2DXR2	For CTS Item 3 fraction 1 ([Laboratory] Item number 1C2.1), the 6@TH01 is below our validated ST, indicating possible dropout of a sister allele but the profile meets typical [Laboratory] requirements for comparison and reporting. Note added on advice from acting [Initials].

TABLE 6

WebCode	Additional Comments
Z368K4	This test was conducted without body fluid identification testing performed. The samples were pushed forward through the workflow based on the case scenario. In this case, because of the indication of sexual assault, both samples were pushed forward for a differential extraction. Item four in this test was extracted by a differential extraction method. A full profile was obtained for the epithelial cell fraction; however, a partial DNA profile was obtained in the sperm cell fraction. This indicates the sample most likely did not contain sperm cells and instead was most likely a non-semen bodily fluid.
Z46DDC	No YSTR amplification kit was used for this proficiency test because I am not currently qualified in that technology.
Z8F8UN	An indistinguishable mixture was obtained on Item 4. Per laboratory protocols, no further interpretations were made.
ZAQFC2	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.
ZFH8GW	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
ZFVQDM	NR= no results
ZQXLB4	Examination for semen was marked 'Not Tested' because this analyst did not conduct body fluid screening for semen.
ZWH7GJ	NR = no results
ZXXVVB	The "15" allele at D8S1179 and "31" allele at D21S11 for item 3e is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
ZZ39AB	Item 3 in this test was extracted by a differential extraction method. Full profiles were obtained for both 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.
ZZ6B62	Stutter and drop in left in due to using STRmix.

-End of Report-
(Appendix may follow)

Test No. 26-5703: Forensic Biology

DATA MUST BE SUBMITTED BY **June 22, 2026, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: YL66JJ

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

Scenario:

Police are investigating a sexual assault involving a female victim and male suspect. The victim reported she was working late at a local office building when the suspect cornered her in the breakroom and forced her to have vaginal sex on the couch. The suspect has been apprehended by police. Police are submitting a stain from the underwear (Item 3) the victim wore at the time of the assault and a stain from the breakroom couch (Item 4). Also provided are known standards from the female victim (Item 1) and male suspect (Item 2).

Items Submitted (Sample Pack B3):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

Item 3: Questioned stain from victim's underwear (grey)

Item 4: Questioned stain from breakroom couch (green)

Part I: SCREENING TESTS

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

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

TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

Example:	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	☒	☐	☐	☐	KM, O-tol, PTMB
Semen	☐	☒	☐	☐	PSA
Saliva	☐	☐	☐	☒	
Human Origin	☐	☐	☐	☒	
Y-Screening (male DNA)	☐	☐	☐	☒	
Other Specified Body Fluid	☐	☐	☐	☐	

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

Item 3:

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	☐	☐	☐	☐	
Semen	☐	☐	☐	☐	
Saliva	☐	☐	☐	☐	
Human Origin	☐	☐	☐	☐	
Y-Screening (male DNA)	☐	☐	☐	☐	
Other:	☐	☐	☐	☐	

Item 4:

	Positive	Negative	Inconclusive	Not Tested	Test(s) Performed
Blood	☐	☐	☐	☐	
Semen	☐	☐	☐	☐	
Saliva	☐	☐	☐	☐	
Human Origin	☐	☐	☐	☐	
Y-Screening (male DNA)	☐	☐	☐	☐	
Other:	☐	☐	☐	☐	

Part II: DNA Results for Known Item 1

- Report alleles in numerical order, separated by a comma.
- Follow your laboratory procedures for reporting homozygotes (i.e. X,X or X) and null responses.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].

STR Amplification Kit(s) Used:

Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

☐ Identifiler®		☐ GlobalFiler™		☐ Investigator® 24plex	
☐ PowerPlex®		Other			

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in Default order.

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
1						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
1						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
1						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
1						

Part II (continued): DNA Analysis - Additional DNA

- Use this section to report results for loci not currently listed in other sections of the data sheet.
- Report alleles in numerical order, separated by a comma.
- If your laboratory policy is to indicate minor or weaker alleles, please enclose them within brackets [].
- Click "Add Row" to show another row of boxes for entry.

Did you perform a differential extraction of Item 3? Yes ☐ No ☐

Did you perform a differential extraction of Item 4? Yes ☐ No ☐

Locus	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp

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)?

Victim (Item 1)			Suspect (Item 2)		
	Item 3	Item 4		Item 3	Item 4
Yes	☐	☐	Yes	☐	☐
No	☐	☐	No	☐	☐
Inconclusive	☐	☐	Inconclusive	☐	☐
No Interpretation	☐	☐	No Interpretation	☐	☐

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.

Note: Please use appropriate punctuation to indicate the end of sentences, sections, and statements in the free-form space below. Extra spacing and returns used for separation within your text will not transfer and may cause your information to be illegible in the Summary Report. The use of lists and tabular formats to deliver information is also cautioned against, as these do not transfer.

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

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)