



Forensic Biology Test No. 25-5706 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 407 participants and are compiled into the following tables:

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

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

Manufacturer's Information

Each sample pack consisted of two known bloodstains 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.

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

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	16,16	16,24	11,14	14,18	9,12	*
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15	2	
2	16,17.3	19,20	10,11	16,16	11,11	*
	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17	2	
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	*
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17	2	
4	16,16	16,24	11,14	14,18	9,12	*
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15	2	

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

YSTR Results

Results compiled from predistribution laboratories and a consensus of at least 10 participants.

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11	13	18	15	22	22	10	12
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11	12	18	17	19	23	14	11
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	12,13	18	15,17	19,22	22,23	10,14	11,12
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11	13	18	15	22	22	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 and Item 4 were created using blood from the same male donor. Item 2 was created using blood from another male donor. Item 3 was created using blood from the male donor used in Item 1 and blood from the male donor used in Item 2. Refer to the Manufacturer's Information for preparation details.

Data were returned by 407 participants.

Screening Test Results

Screening results for body fluids were returned by a total of 363 participants. However, 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 but one participant reported "Negative". The remaining participant reported "Inconclusive". 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 but one participant reported "Negative". The remaining participant reported "Inconclusive". For the presence of saliva, all participants reported "Negative". For Human Origin Screening and Y-Screening, all participants reported "Positive".

DNA Analysis

For STR results, all but five participants reported consistent results.

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

DNA Interpretations

Of the 373 participants that returned DNA results, 353 reported DNA interpretations for one or both questioned stains. Eleven participants selected the "No Interpretation" option for each conclusion, eight stated the samples were analyzed for database purposes only, and one did not respond.

For Item 3, all participants included both the victim (Item 1) and the suspect (Item 2) as possible contributors to the stain.

For Item 4, all participants included the victim (Item 1) and excluded the suspect (Item 2) as possible contributors to the stain.

Key for Screening Tests Used

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

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

Serology Screening Results

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

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
282AL2	Pos LMG, HemaTrace	Pos LMG HemaTrace
288AGF	Pos LMG	Pos LMG
2B2KH2	Pos LMG	Pos LMG
2CFGUD	Pos KM	Pos KM
2JCEGF	Pos O-tol	Pos O-tol
2LZT7Q	Pos TMB	Pos TMB
2MGZDT	Pos TMB	Pos TMB
2PMJHG	Pos LMG	Pos LMG
2W9EJK	Pos KM, HemaTrace	Pos KM, HemaTrace
2XTCKV	Pos KM, HemaTrace	Pos KM, HemaTrace
2ZJ4M9	Pos KM	Pos KM
38FTQB	Pos KM	Pos KM
3A7UUE	Pos O-tol	Pos O-tol
3ALLXC	Pos KM	Pos KM
3BFWNP	Pos IR, TMB	Pos IR, TMB
3BX23H	Pos KM	Pos KM
3FAXHR	Pos KM, HemaTrace	Pos KM, HemaTrace
3FV28Z	Pos LMG, HemaTrace	Pos LMG, HemaTrace
3FVCAB	Pos HemaTrace	Pos HemaTrace
3H3PX4	Pos KM, HEM	Pos KM, HEM
3HJW4L	Pos KM	Pos KM
3JA9DR	Pos KM	Pos KM
3R4K4A	Pos KM	Pos KM
3R4MTD	Pos KM, HemaTrace	Pos KM, HemaTrace
3RAEJF	Pos LMG	Pos LMG
3Y4M3K	Pos KM	Pos KM
3ZY74M	Pos KM	Pos KM
42P3YT	Pos KM, TMB	Pos KM, TMB
436V3P	Pos IR, TMB	Pos IR, TMB
47YNK6	Pos KM	Pos KM
4BFAQC	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
4DJJNU	Pos KM	Pos KM
4HFQ2H	Pos KM	Pos KM
4JAWLC	Pos Hemastix	Pos Hemastix
4K4CND	Pos KM, HemaTrace	Pos KM, HemaTrace
4KFGBX	Pos RSID	Pos RSID
4PB9G9	Pos O-tol	Pos O-tol
4QTM3H	Pos KM, Seratec	Pos KM Seratec
4XQDMT	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
4Y2EBD	Pos LMG	Pos LMG
62LL9E	Pos KM	Pos KM
67U2PP	Pos KM	Pos KM
69YQUJ	Pos TMB	Pos TMB
6C6EPW	Pos KM	Pos KM
6DV7N2	Pos TMB (Hemastix) & HemaTrace	Pos TMB (Hemastix) & HemaTrace
6EA8GA	Pos Hemastix	Pos Hemastix
6K2VAF	Pos O-tol, hemdirect	Pos O-tol, hemdirect
6KCQPR	Pos KM, ABACard	Pos KM, ABACard
6M4P3Q	Pos KM, HemaTrace	Pos KM, HemaTrace
6NERPP	Pos KM, HemaTrace	Pos KM, HemaTrace
6NWN6V	Pos KM, HemaTrace	Pos KM, HemaTrace
6RXRWH	Pos KM	Pos KM
6TQNJQ	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
6UMFKY	Pos KM, HemaTrace	Pos KM, HemaTrace
6VXVWR	Pos KM	Pos KM
6X8QQW	Pos KM	Pos KM
6ZCJGN	Pos TMB	Pos TMB
73CXHK	Pos IR, KM	Pos IR, KM
748GKL	Pos TMB	Pos TMB
76H7GQ	Pos KM, TMB	Pos KM, TMB
7ERF74	Pos KM	Pos KM
7H6TVB	Pos O-tol	Pos O-tol
7JD3LM	Pos KM	Pos KM
7KR8JK	Pos TMB	Pos TMB

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
7T4NT7	Pos KM, HemaTrace	Pos KM, HemaTrace
7W3ZP7	Pos KM, HemaTrace	Pos KM, HemaTrace
7W6Z38	Pos KM	Pos KM
7XJ6BB	Pos LMG	Pos LMG
7Z7TMB	Pos KM, HemaTrace	Pos KM, HemaTrace
7ZPJUA	Pos O-tol	Pos O-tol
86F3YD	Pos O-tol, HemDirect	Pos O-tol, HemDirect
882XAK	Pos TMB	Pos TMB
886B2M	Pos TMB	Pos TMB
88LRWF	Pos KM	Pos KM
8A8B3K	Pos KM, HemaTrace	Pos KM, HemaTrace
8P2ZXG	Pos KM	Pos KM
8T4WLQ	Pos HemDirect	Pos HemDirect
8TJZBC	Pos KM, HemaTrace	Pos KM, HemaTrace
8TMK3K	Pos KM, HemaTrace	Pos KM, HemaTrace
8VRB8F	Pos KM, Seratec Hemdirect	Pos KM, Seratec Hemdirect
8XB24W	Pos RSID	Pos RSID
928HZ4	Pos KM, HemaTrace	Pos KM, HemaTrace
92DMKM	Pos LMG	Pos LMG
94FZC2	Pos KM, HemaTrace	Pos KM, HemaTrace
96BJE3	Pos KM	Pos KM
98HYMU	Pos LMG, HemaTrace	Pos LMG, HemaTrace
9BZG3B	Pos KM	Pos KM
9CQUCG	Pos IR, PHT	Pos IR, PHT
9D9UJD	Pos KM, HemaTrace	Pos KM, HemaTrace
9FDEGK	Pos KM, HemaTrace	Pos KM, HemaTrace
9JTWKN	Pos LMG	Pos LMG
9M9C79	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
9PZZHW	Pos bluestar Blood tablets	Pos bluestar Blood tablets
9QFHWF	Pos KM	NT KM
9XTBRR	Pos ALS, KM, RSID	Pos ALS, KM, RSID
A3KYNP	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
A3YW69	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
A3ZVFN	Pos KM, HemaTrace	Pos KM, HemaTrace
A67JTT	Pos LMG, HemaTrace	Pos LMG, HemaTrace
A722VU	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
AD2LV6	Pos KM	Pos KM
AEW4W7	Pos Hemastix	Pos Hemastix
AGJ8YQ	Pos KM	Pos KM
AQL2Y4	Pos KM	Pos KM
ATDKYM	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
AVGVW6	Pos Hemastix	Pos Hemastix
B6MMUJ	Pos TMB	Pos TMB
B7W6ZP	Pos KM	Pos KM
BBAJCE	Pos IR, PHT, TMB	Pos IR, PHT, TMB
BCNUFD	Pos KM	Pos KM
BDE8PJ	Pos KM	Pos KM
BEQMJK	Pos KM	Pos KM
BFMBPM	Pos KM, HemaTrace	Pos KM, HemaTrace
BHQHYL	Pos KM, TMB	Pos KM, TMB
BJJWGP	Pos KM	Pos KM
BJMB2D	Pos LMG	Pos LMG
BJNEFN	Pos KM	Pos KM
BLPUVL	Pos KM, TMB	Pos KM, TMB
BQ6U6C	Pos KM	Pos KM
BW9NDM	Pos KM, HemaTrace	Pos KM, HemaTrace
BYFWQD	Pos KM	Pos KM
BYKDPC	Pos KM, Hem	Pos KM, Hem
C8QTQ6	Pos LMG, RSID Blood	Pos LMG, RSID Blood
C93BAA	Pos O-tol, HemDirect	Pos O-tol, HemDirect
CFZBXG	Pos KM	Pos KM
CGCYM9	Pos HemDirect	Pos HemDirect
CJ28QH	Pos TMB	Pos TMB
CRCACH	Pos TMB	Pos TMB
CT8YAK	Pos KM, HemaTrace	Pos KM, HemaTrace
CWK2WF	Pos KM, HemDirect	Pos KM, HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
D6Z9NZ	Pos O-tol	Pos O-tol
DATVF7	Pos KM	Pos KM
DCEQRD	Pos IR, TMB	Pos IR, TMB
DD868X	Pos KM	Pos KM
DMF3BL	Pos KM	Pos KM
DPJAKK	Pos KM, TMB	Pos KM, TMB
DQUC8J	Pos KM, TMB	Pos KM, TMB
DQY7VC	Pos KM, IR	Pos KM, IR
DUYHQC	Pos TMB	Pos TMB
DYQAUJ	Pos KM	Pos KM
DZN6CA	Pos KM	Pos KM
DZYY2H	Pos KM	Pos KM
E2U6DP	Pos LMG, HemaTrace	Pos LMG, HemaTrace
E4DGPZ	Pos KM	Pos KM
E7L4AC	Pos TMB	Pos TMB
ECTQ98	Pos KM, Seratec Hemdirect	Pos KM, Seratec Hemdirect
EEKKC4	Pos LMG	Pos LMG
EJDLAB	Pos LMG; HemaTrace	Pos LMG; HemaTrace
ELJ844	Pos LMG	Pos LMG
EM9F8D	Pos KM, HemaTrace	Pos KM, HemaTrace
EMUM3G	Pos KM, TMB	Pos KM, TMB
EN6VF4	Pos KM, HemaTrace	Pos KM, HemaTrace
ETJDUY	Pos KM, HemaTrace	Pos KM, HemaTrace
EUB242	Pos KM; HemaTrace	Pos KM; HemaTrace
EUC7PH	Pos KM	Pos KM
EV9UWK	Pos KM	Pos KM
EWGWUC	Pos TMB	Pos TMB
EXC37J	Pos KM, HemaTrace	Pos KM, HemaTrace
EXRXGB	Pos PHT (KM); IR	Pos PHT (KM); IR
F3YPL3	Pos O-tol	Pos O-tol
F4DDK9	Pos TMB	Pos TMB
F9MWYN	Pos KM, HemaTrace	Pos KM, HemaTrace
FCPHL7	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
FDGTLU	Pos KM	Pos KM
FEERPF	Pos LMG	Pos LMG
FFR248	Pos KM, Seratec HemDirect	Pos KM, Seratec HemDirect
FHEZYG	Pos KM, Combur TMB	Pos KM, Combur TMB
FMRHED	Pos IR, TMB	Pos IR, TMB
FWWQUD	Pos IR, TMB	Pos IR, TMB
G4CTG7	Pos KM	Pos KM
G4M64W	Pos KM	Pos KM
GAFMPF	Pos KM, ABACard HemaTrace	Pos KM, ABACard HemaTrace
GBDZ3Z	Pos LMG	Pos LMG
GEAPH8	Pos KM	Pos KM
GHVTGZ	Pos KM, TMB	Pos KM, TMB
GJLHU7	Pos KM, Hem	Pos KM, Hem
GL8V3V	Pos O-tol	Pos O-tol
GPB3V2	Pos KM, HemaTrace	Pos KM, HemaTrace
GRJ8EG	Pos TMB	Pos TMB
GRVWPG	Pos KM, HemaTrace	Pos KM, HemaTrace
GTTG38	Pos IR Light, KM, Luminol	Pos IR Light, KM, Luminol
GU3BY8	Pos TMB	Pos TMB
H6GMPB	Pos KM, HemDirect card	Pos KM, HemDirect card
H7XAGK	Pos LMG, HemaTrace	Pos LMG, HemaTrace
H7XTCF	Pos HemDirect	Pos HemDirect
H92L9Y	Pos LMG	Pos LMG
HARUB9	Pos KM, HemaTrace	Pos KM, HemaTrace
HBNAJZ	Pos KM, HemaTrace	Pos KM, HemaTrace
HFX9H	Pos O-tol, HemaTrace	Pos O-tol, HemaTrace
HJMPFY	Pos LMG & RSID Blood	Pos LMG & RSID Blood
HNWWTW	Pos KM	Pos KM
HP7XX4	Pos KM, Hemdirect	Pos KM, Hemdirect
HPLT9X	Pos Hemastix	Pos Hemastix
HVR3JC	Pos KM	Pos KM
HW973B	Pos TMB	Pos TMB
J4KU6C	Pos KM	Pos KM

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
J8JDMW	Pos KM, HemaTrace	Pos KM, HemaTrace
JARNEU	Pos KM, HemaTrace	Pos KM
JBK324	Pos KM	Pos KM
JFVR8D	Pos KM, ABACard HT	Pos KM, ABACard HT
JGVVC3	Pos KM, HemDirect	Pos KM, HemDirect
JJGCCH	Pos RSID--Blood	Pos RSID--Blood
JKRDYG	Pos KM	Pos KM
JMFRMQ	Pos KM	Pos KM
K2R2AT	Pos KM, HemaTrace	Pos KM, HemaTrace
K82AJA	Pos LMG	Pos LMG
KA4KMK	Pos KM	Pos KM
KDL46T	Pos KM	Pos KM
KHG26Y	Pos KM, HemaTrace	Pos KM, HemaTrace
KMWRCE	Pos KM	Pos KM
KN6GKC	Pos KM, TMB	Pos KM, TMB
KQB837	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
KUD3QF	Pos KM	Pos KM
KY8WP3	Pos KM	Pos KM
L4ZLJE	Pos KM	Pos KM
L7ZUL4	Pos KM	Pos KM
L9NBXW	Pos KM, HemaTrace	Pos KM, HemaTrace
L9QXEB	Pos LMG	Pos LMG
LAKTVR	Pos LMG	Pos LMG
LC9R3H	Pos O-tol, HemDirect	Pos O-tol, HemDirect
LCMLTW	Pos KM, HemaTrace	Pos KM, HemaTrace
LHC9HB	Pos KM	Pos KM
LMD3TY	Pos KM	Pos KM
LPDDH8	Pos IR, TMB	Pos IR, TMB
LQPZ99	Pos KM, HemaTrace	Pos KM, HemaTrace
LTTH2G	Pos LMG, HemaTrace	Pos LMG, HemaTrace
LY3GW	Pos Kastle Meyer	Pos Kastle Meyer
LZU8M9	Pos KM, HemaTrace	Pos KM, HemaTrace
M22EJT	Pos O-tol, Seratec HemDirect	Pos O-tol, Seratec HemDirect

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
M7JXZV	Pos LMG	Pos LMG
M7XLY2	Pos KM	Pos KM
MC9EAZ	Pos KM	Pos KM
MDV3LZ	Pos LMG	Pos LMG
MGDKGQ	Pos KM, HT	Pos KM, HT
MKEWQR	Pos Hemastix	Pos Hemastix
MU43KW	Pos KM	Pos KM
MU6GVQ	Pos O-tol	Pos O-tol
N6D9LN	Pos KM, HemaTrace	Pos KM, HemaTrace
N9ZTQT	Pos O-tol	Pos O-tol
NAWYFZ	Pos KM, HemDirect	Pos KM, HemDirect
NE6MT2	Pos KM, Luminol	Pos KM, Luminol
NEAEUC	Pos Peroxtesmo, RSID Blood	Pos Peroxtesmo, RSID Blood
NKXHWU	Pos LMG	Pos LMG
NLNQZ4	Pos KM, HemaTrace	Pos KM, HemaTrace
NMK79U	Pos KM, HemaTrace	Pos KM, HemaTrace
NP7HWL	Pos KM	Pos KM
NQ3ZXM	Pos KM	Pos KM
NWMYQF	Pos KM, AP	Pos KM, AP
P2ZQ7T	Pos KM, HemaTrace	Pos KM, HemaTrace
P4KKZ9	Pos KM, HemaTrace	Pos KM, HemaTrace
P7BYB4	Pos TMB	Pos TMB
PAPE3G	Pos TMB	Pos TMB
PB4UEW	Pos KM, HemaTrace	Pos KM, HemaTrace
PCH4NW	Pos KM, Hem	Pos KM, Hem
PDMXYM	Pos KM; HemaTrace	Pos KM; HemaTrace
PG9CFP	Pos KM	Pos KM
PH77BT	Pos KM	Pos KM
PL37FC	Pos FOB, HemoPhan	Pos FOB, HemoPhan
PT6N4G	Pos KM, HEM	Pos KM, HEM
PYCPCL	Pos KM	Pos KM
PZ3BX3	Pos KM, HemaTrace	Pos KM, HemaTrace
Q746BU	Pos KM, HemaTrace	Pos KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
Q8Y3NQ	Pos O-tol, Seratec HemDirect	Pos O-tol, Seratec HemDirect
QA4VKA	Pos KM	Pos KM
QCBKR6	Pos KM	Pos KM
QG9X3A	Pos KM	Pos KM
QHXXML	Pos HemaTrace	Pos HemaTrace
QN3APQ	Pos O-tol	Pos O-tol
QQ9MF6	Pos LMG	Pos LMG
QQVYGY	Pos KM	Pos KM
QZEGQW	Pos LMG	Pos LMG
QZHUHY	Pos Luminol, KM	Pos Luminol, KM
R3JKXD	Pos O-tol	Pos O-tol
R6NMUP	Pos O-tol, Seratec Hemdirect	Pos O-tol, Seratec Hemdirect
R7ZEM7	Pos KM	Pos KM
R8BM4Y	Pos LMG, HemaTrace	Pos LMG, HemaTrace
R9CF4R	Pos LMG	Pos LMG
RG2BY2	Pos IR, TMB	Pos IR, TMB
RPYXWT	Pos KM	Pos KM
RQN7Z3	Pos TMB	Pos TMB
RTBUB3	Pos KM, HemaTrace	Pos KM, HemaTrace
RU6UD8	Pos KM	Pos KM
T29TPW	Pos KM	Pos KM
T4C6BJ	Pos HemaTrace	Pos HemaTrace
T4TW9M	Pos O-tol	Pos O-tol
T8WH98	Pos KM	Pos KM
T9ZGWK	Pos LMG	Pos LMG
THCJFZ	Pos TMB	Pos TMB
TT7KP3	Pos KM, TMB	Pos KM, TMB
TTQLQ6	Pos TMB	Pos TMB
U22AXC	Pos Hemastix (TMB), HemaTrace	Pos Hemastix (TMB), HemaTrace
U7GKC2	Pos TMB	Pos TMB
UBLNUM	Pos O-tol	Pos O-tol
UD93HW	Pos TMB	Pos TMB
UFKQ9N	Pos LMG	Pos LMG

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
UL9BEP	Pos KM	Pos KM
UMXFDA	Pos KM	Pos KM
UP4B4K	Pos KM	Pos KM
UTAMBL	Pos LMG	Pos LMG
UUWHLT	Pos TMB	Pos TMB
V2E9LT	Pos TMB	Pos TMB
V2JJNR	Pos KM, Hem	Pos KM, Hem
V8GEZW	Pos TMB	Pos TMB
VB4Y7Z	Pos KM	Pos KM
VBYH82	Pos KM	Pos KM
VCER8U	Pos IR Light, Luminol, Phenolphthalin	Pos IR Light, Luminol, Phenolphthalin
VGBE34	Pos KM	Pos KM
VHJQK6	Pos KM	Pos KM
VL3U4V	Pos TMB	Pos TMB
VMGY3T	Pos TMB	Pos TMB
VNBTPP	Pos KM, HemaTrace	Pos KM, HemaTrace
VP7CRR	Pos KM	Pos KM
VPJWB2	Pos KM	Pos KM
VQXDVU	Pos KM	Pos KM
VTJ982	Pos KM	Pos KM
W86Q8	Pos FOB JusCheck	Pos FOB JusCheck
W6CXTT	Pos KM	Pos KM
W9EV4K	Pos LMG	Pos LMG
WHEFFL	Pos O-tol	Pos O-tol
WQ8DX2	Pos KM, HemaTrace	Pos KM, HemaTrace
WQUC4T	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
WU749Z	Pos KM, HemaTrace	Pos KM, HemaTrace
WUUX36	Pos LMG	Pos LMG
WVPF68	Pos LMG, HemaTrace	Pos LMG, HemaTrace
WVQTKT	Pos KM	Pos KM
WWCPWZ	Pos KM	Pos KM
WZ3LVR	Pos KM	Pos KM
X8DYWG	Pos Hemastix	Pos Hemastix

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
XGLVCM	Pos KM	Pos KM
XHWBCZ	Pos KM, HemaTrace	Pos KM, HemaTrace
XKYRRW	Pos KM, HemaTrace	Pos KM, HemaTrace
XLUFXY	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
XNKN29	Pos TMB	Pos TMB
XNZFZD	Pos KM	Pos KM
XNZHPH	Pos KM, HX	Pos KM, HX
Y222VT	Pos IR, TMB	Pos IR, TMB
Y23LYV	Pos KM, HemaTrace	Pos KM, HemaTrace
Y3CNMF	Pos LMG	Pos LMG
Y7CYHF	Pos LMG	Pos LMG
Y9KGUD	Pos KM, HemaTrace	Pos KM, HemaTrace
YGZNLV	Pos TMB	Pos TMB
YNWPHE	Pos KM, HemaTrace	Pos KM, HemaTrace
YRHAMJ	Pos PTMB	Pos PTMB
YUJ6YE	Pos KM	Pos KM
YX2PYT	Pos IR, TMB	Pos IR, TMB
ZB6F9E	Pos KM	Pos KM
ZF3TGX	Pos TMB	Pos TMB
ZH73DF	Pos KM, HemaTrace	Pos KM, HemaTrace
ZJFAF9	Pos KM	Pos KM
ZJLRUT	Pos IR, TMB	Pos IR, TMB
ZNV6CR	Pos KM, HemaTrace	Pos KM, HemaTrace
ZP6Y8Q	Pos TMB	Pos TMB
ZQZTVM	Pos KM	Pos KM
ZRJWUG	Pos LMG	Pos LMG
ZTM8JX	Pos TMB	Pos TMB
ZTNMXD	Pos O-tol	Pos O-tol
ZWRFTW	Pos KM, TMB	Pos KM, TMB
ZXH2GY	Pos HD	Pos HD
ZXMJFX	Pos TMB	Pos TMB

Table 1a: Serology Screening Response Summary - BloodParticipants: **359**

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	359	358
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
2LZT7Q	Neg ALS, AP	Neg ALS, AP
2MGZDT	Neg ALS, AP	Neg ALS, AP
38FTQB	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
3BFWNP	Neg ALS, AP	Neg ALS, AP
3BX23H	Neg AP, Micro	Neg AP, Micro
3H3PX4	Neg AP, Micro, RSID	Neg AP, Micro, RSID
436V3P	Neg ALS, AP	Neg ALS, AP
47YNK6	Neg AP, Micro	Neg AP, Micro
4DJJNU	Neg ALS, AP	Neg ALS, AP
4K4CND	Neg AP, PSA, Micro	Neg AP, PSA, Micro
4QTM3H	Neg AP, Micro, RSID	Neg AP, Micro, RSID
4XQDMT	Neg AP, PSA	Neg AP, PSA
62LL9E	Neg AP, Micro, ALS	Neg AP, Micro, ALS
69YQUJ	Neg ALS, AP	Neg ALS, AP
6DV7N2	Neg ALS & AP	Neg ALS & AP
6K2VAF	Neg AP	Neg AP
6M4P3Q	Neg AP	Neg AP
6NERPP	Neg AP	Neg AP
6TQNJQ	Neg PSA, AP	Neg PSA, AP
6ZCJGN	Neg ALS, AP	Neg ALS, AP
73CXHK	Neg ALS, AP	Neg ALS, AP
748GKL	Neg ALS, AP	Neg ALS, AP
7KR8JK	Neg AP, ALS	Neg AP, ALS
7Z7TMB	Neg AP, PSA, Micro	Neg AP, PSA, Micro
86F3YD	Neg AP	Neg AP
882XAK	Neg ALS, AP	Neg ALS, AP
886B2M	Neg ALS, AP	Neg ALS, AP
8P2ZXG	Neg ALS, AP, Micro	Neg ALS, AP, Micro
8T4WLQ	Neg PSA	Neg PSA
8TJZBC	Neg AP, Micro, PSA	Neg AP, Micro, PSA
8VRB8F	Neg AP, Micro, RSID	Neg AP, Micro, RSID
8XB24W	Neg RSID	Neg RSID
92DMKM	Neg ALS, AP	Neg ALS, AP
96BJE3	Neg ALS, AP, Micro	Neg ALS, AP, Micro
9BZG3B	Neg AP, Micro	Neg AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
9CQUCG	Neg ALS, AP	Neg ALS, AP
9FDEGK	Neg ALS, AP, PSA	Neg ALS, AP, PSA
9JTWKN	Neg ALS, AP	Neg ALS, AP
9M9C79	Neg AP, PSA	NT
A3YW69	Neg AP, PSA, Micro	Neg AP, PSA, Micro
A3ZVFN	Neg PSA, Micro	Neg PSA, Micro
ATDKYM	Neg AP, PSA	Neg AP, PSA
B6MMUJ	Neg AP, ALS	Neg AP, ALS
BBAJCE	Neg ALS, AP	Neg ALS, AP
BJMB2D	Neg ALS, AP	Neg ALS, AP
BYKDPC	Neg AP, CWD, Micro, RSID	Neg AP, CWD, Micro, RSID
CJ28QH	Neg ALS, AP	Neg ALS, AP
CRCACH	Neg ALS, AP	Neg ALS, AP
CWK2WF	Neg AP, Micro	Neg AP, Micro
D6Z9NZ	Neg AP	Neg AP
DATVF7	Neg AP, Micro, PSA	Neg AP, Micro, PSA
DCEQRD	Neg ALS, AP	Neg ALS, AP
DQY7VC	Neg AP, ALS	Neg AP, ALS
DUYHQC	Neg ALS, AP	Neg ALS, AP
E7L4AC	Neg ALS, AP	Neg ALS, AP
ECTQ98	Inc AP, Microscope, RSID	Inc AP, Microscope, RSID
EN6VF4	Neg AP, PSA, Micro	Neg AP, PSA, Micro
EWGWUC	Neg ALS, AP	Neg ALS, AP
EXC37J	Neg PSA, Micro	Neg PSA, Micro
EXRXGB	Neg AP; ALS	Neg AP; ALS
F4DDK9	Neg ALS, AP	Neg ALS, AP
FEERPF	Neg ALS, AP	Neg ALS, AP
FFR248	Neg AP, Micro, RSID	Neg AP, Micro, RSID
FHEZYG	Neg PSA, AP	Neg PSA, AP
FMRHED	Neg ALS, AP	Neg ALS, AP
FWWQUD	Neg ALS, AP	Neg ALS, AP
GJLHU7	Neg AP, Micro, RSID Sg	Neg AP, Micro, RSID Sg
GL8V3V	Neg AP	Neg AP
GPB3V2	Neg AP, PSA, Micro	Neg AP, PSA, Micro
GTTG38	Neg ALS, AP, Micro	Neg ALS, AP, Micro
GU3BY8	Neg ALS, AP	Neg ALS, AP
H6GMPB	Neg AP, Microscopy, PSA card	Neg AP, Microscopy, PSA card

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
HBNAJZ	Neg AP, PSA, Micro	Neg AP, PSA, Micro
HP7XX4	Neg AP, Micro, RSID	Neg AP, Micro, RSID
HW973B	Neg ALS, AP	Neg ALS, AP
JFVR8D	Neg AP, p30	Neg AP, p30
JGVVC3	Neg AP, Micro, RSID	Neg AP, Micro, RSID
JJGCCH	Neg RSID--Semen	Neg RSID--Semen
K82AJA	Neg ALS, AP	Neg ALS, AP
KHG26Y	Neg AP, PSA, Micro	Neg AP, PSA, Micro
L7ZUL4	Neg ALS, AP, Micro	Neg ALS, AP, Micro
L9NBXW	Neg AP, Micro, PSA	Neg AP, Micro, PSA
L9QXEB	Neg ALS, AP	Neg ALS, AP
LAKTVR	Neg AP, RSID, ALS	Neg AP, RSID, ALS
LC9R3H	Neg AP, PSA	Neg AP, PSA
LCMLTW	Neg AP, PSA, Micro	Neg AP, PSA, Micro
LHC9HB	Neg PSA	Neg PSA
LMD3TY	Neg Micro/AP	Neg Micro/AP
LPDDH8	Neg ALS, AP	Neg ALS, AP
LQPZ99	Neg AP	Neg AP
LZU8M9	Neg AP	Neg AP
M22EJT	Neg AP, Seratec PSA, Micro	Neg AP, Seratec PSA, Micro
MDV3LZ	Neg ALS, AP	Neg ALS, AP
MGDKGQ	Neg AP, Micro, PSA	Neg AP, Micro, PSA
MU6GVQ	Neg AP	Neg AP
NAWYFZ	Neg AP, Micro, RSID Sg	Neg AP, Micro, RSID Sg
NE6MT2	Neg ALS, AP, Micro	Neg ALS, AP
NEAEUC	Neg Phosphatesmo, RSID Semen	Neg Phosphatesmo, RSID Semen
NMK79U	Neg AP, PSA, Micro	Neg AP, PSA, Micro
NWMYQF	Neg KM, AP	Neg KM, AP
P2ZQ7T	Neg AP, PSA, Micro	Neg AP, PSA, Micro
P7BYB4	Neg ALS, AP	Neg ALS, AP
PCH4NW	Neg AP, Micro, RSID	Neg AP, Micro, RSID
PH77BT	Neg STMP, Micro, ALS	Neg STMP, Micro, ALS
PL37FC	Neg PSA, Phosphatesmo	Neg PSA, Phosphatesmo
PT6N4G	Neg AP, Micro, RSID	Neg AP, Micro, RSID
Q8Y3NQ	Neg AP, Seratec PAM	Neg AP, Seratec PAM
QQ9MF6	Neg ALS, AP	Neg ALS, AP
QQVYGY	Neg ALS, AP, Micro	Neg ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
QZEGQW	Neg ALS, AP	Neg ALS, AP
QZHUYH	Neg ALS, AP, Micro	Neg ALS, AP, Micro
R3JKXD	Neg AP	Neg AP
R6NMUP	Neg Seratec PAM	Neg Seratec PAM
R7ZEM7	Neg AP	Neg AP
RG2BY2	Neg ALS, AP	Neg ALS, AP
RPYXWT	Neg AP, Micro	Neg AP, Micro
RQN7Z3	Neg ALS, AP	Neg ALS, AP
T4TW9M	Neg ALS	Neg ALS
T9ZGWK	Neg AP	Neg AP
THCJFZ	Neg ALS, AP	Neg ALS, AP
U22AXC	Neg ALS, AP	Neg ALS, AP
U7GKC2	Neg ALS, AP	Neg ALS, AP
UD93HW	Neg ALS, AP	Neg ALS, AP
UUWHLT	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
V2E9LT	Neg ALS, AP	Neg ALS, AP
V2JJNR	Neg AP, Micro, RSID	Neg AP, Micro, RSID
V8GEZW	Neg ALS, AP	Neg ALS, AP
VCER8U	Neg ALS, STMP, Micro	Neg ALS, STMP, Micro
VL3U4V	Neg ALS, AP	Neg ALS, AP
VMGY3T	Neg ALS, AP	Neg ALS, AP
WQ8DX2	Neg PSA, Micro	Neg PSA, Micro
WQUC4T	Neg AP	Neg AP
WVQTKT	Neg AP	Neg AP
XGLVCM	Neg AP Micro	Neg AP Micro
XHWBCZ	Neg PSA, Micro	Neg PSA, Micro
XLUFXY	Neg AP, PSA	Neg AP, PSA
Y222VT	Neg ALS, AP	Neg ALS, AP
Y23LYV	Neg AP	Neg AP
Y3CNMF	Neg AP	Neg AP
Y7CYHF	Neg AP	Neg AP
YGZNLV	Neg ALS, AP	Neg ALS, AP
YNWPHE	Neg AP, PSA, Micro	Neg AP, PSA, Micro
YX2PYT	Neg ALS, AP	Neg ALS, AP
ZJLRUT	Neg ALS, AP	Neg ALS, AP
ZP6Y8Q	Neg ALS, AP	Neg ALS, AP
ZRJWUG	Neg AP	Neg AP

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
ZXH2GY	Neg PSA	Neg PSA

Table 1b: Serology Screening Response Summary - Semen			Participants: 147
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	146	145	
Inconclusive	1	1	

Serology Screening Results

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

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
2B2KH2	Neg Amylase Radial Diffusion	Neg Amylase Radial Diffusion
38FTQB	Neg Amylase test	Neg Amylase test
3BX23H	Neg RSID	Neg RSID
4K4CND	Neg Phadebas	Neg Phadebas
4XQDMT	Neg Phadebas	Neg Phadebas
62LL9E	Neg RSID	Neg RSID
67U2PP	Neg RSID	Neg RSID
6M4P3Q	Neg RSID	Neg RSID
6NERPP	Neg RSID Saliva	Neg RSID Saliva
6TQNJQ	Neg Phadebas	Neg Phadebas
7Z7TMB	Neg Phadebas	Neg Phadebas
8P2ZXG	Neg ALS, Phadebas	Neg ALS, Phadebas
8TJZBC	Neg Phadebas	Neg Phadebas
9BZG3B	Neg RSID	Neg RSID
9FDEGK	Neg ALS, Phadebas	Neg ALS, Phadebas
A3YW69	Neg Phadebas	Neg Phadebas
A3ZVFN	Neg RSID	Neg RSID
ATDKYM	Neg Phadebas	Neg Phadebas
BEQMJK	Neg RSID	Neg RSID
CWK2WF	Neg RSID Saliva	Neg RSID Saliva
EN6VF4	Neg Phadebas	Neg Phadebas
EXC37J	Neg RSID	Neg RSID
FHEZYG	Neg Phadebas	Neg Phadebas
GPB3V2	Neg Phadebas	Neg Phadebas
GTTG38	Neg Amylase Diffusion	Neg Amylase Diffusion
H6GMPB	Neg RSID Saliva card	Neg RSID Saliva card
HBNAJZ	Neg Phadebas	Neg Phadebas
HVR3JC	Neg RSID	Neg RSID
JFVR8D	Neg Phadebas	Neg Phadebas
KHG26Y	Neg Phadebas	Neg Phadebas
L7ZUL4	Neg Phadebas, ALS	Neg Phadebas, ALS
L9NBXW	Neg Phadebas	Neg Phadebas

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
LAKTVR	Neg RSID	Neg RSID
LC9R3H	Neg RSID	Neg RSID
LCMLTW	Neg Phadebas	Neg Phadebas
LHC9HB	Neg RSID	Neg RSID
LMD3TY	Neg RSID	Neg RSID
LZU8M9	Neg RSID Saliva	Neg RSID Saliva
M22EJT	Neg Micro, Seratec Amylase	Neg Micro, Seratec Amylase
MGDKGQ	Neg Phadebas	Neg Phadebas
NEAEUC	Neg RSID Saliva	Neg RSID Saliva
NMK79U	Neg Phadebas	Neg Phadebas
P2ZQ7T	Neg Phadebas	Neg Phadebas
PB4UEW	Neg SALIgAE	Neg SALIgAE
PH77BT	Neg RSID	Neg RSID
PL37FC	Neg RSID	Neg RSID
Q8Y3NQ	Neg Seratec PAM	Neg Seratec PAM
QQVYGY	Neg ALS, Phadebas	Neg ALS, Phadebas
QZHUHY	Neg Amylase Diffusion	Neg Amylase Diffusion
R6NMUP	Neg Seratec PAM	Neg Seratec PAM
RPYXWT	Neg RSID	Neg RSID
RTBUB3	Neg RSID Saliva	Neg RSID Saliva
T9ZGWK	Neg RSID	Neg RSID
VCER8U	Neg Amylase Diffusion	Neg Amylase Diffusion
VW86Q8	Neg RSID-Saliva	Neg RSID-Saliva
WQ8DX2	Neg RSID	Neg RSID
WQUC4T	Neg RSID Saliva	Neg RSID Saliva
WWCPWZ	Neg Phadebas	NT
XGLVCM	Neg RSID	Neg RSID
XHWBCZ	Neg RSID	Neg RSID
XLUFXY	Neg Phadebas	Neg Phadebas
Y23LYV	Neg RSID Saliva	Neg RSID Saliva
Y3CNMF	Neg RSID Saliva	Neg RSID Saliva
Y7CYHF	Neg RSID	Neg RSID
YNWPHE	Neg Amylase	Neg Amylase
ZRJWUG	Neg RSID Saliva	Neg RSID Saliva

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	65
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
282AL2	Pos Quant TRIO, HemaTrace	Pos Quant TRIO, HemaTrace
288AGF	Pos RSID-Blood	Pos RSID-Blood
2B2KH2	Pos Quant Trio	Pos Quant Trio
2JCEGF	Pos HemaTrace	NT
2W9EJK	Pos HemaTrace	Pos HemaTrace
38FTQB	Pos HemaTrace	Pos HemaTrace
3A7UUE	Pos HemaTrace	NT
3FAXHR	Pos Hemtrace, powerquant	Pos HemaTrace, powerquant
3H3PX4	Pos PCR	Pos PCR
3JA9DR	Pos PowerQuant	Pos PowerQuant
4BFAQC	Pos RSID-Blood	Pos RSID-Blood
4QTM3H	Pos	Pos
4XQDMT	Pos Quant Trio	Pos Quant Trio
67U2PP	Pos PowerQuant	Pos PowerQuant
6C6EPW	Pos HT	Pos HT
6M4P3Q	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
6NERPP	Pos PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
6NWN6V	Pos HemaTrace	Pos HemaTrace
6TQNJQ	Pos Quant Trio	Pos Quant Trio
6VXVWR	Pos PowerQuant	Pos PowerQuant
6X8QQW	Pos HemaTrace	Pos HemaTrace
7JD3LM	Pos PowerQuant	Pos PowerQuant
8P2ZXG	Pos QuantiTrio	Pos QuantiTrio
8T4WLQ	Pos HemDirect	Pos HemDirect
8VRB8F	Pos PCR	Pos PCR
9D9UJD	Pos HemaTrace	Pos HemaTrace
9M9C79	Pos HemaTrace	Pos HemaTrace
9PZZHW	Pos seratec hemdirect	Pos seratec hemdirect

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
A3KYNP	Pos Quant	Pos Quant
ATDKYM	Pos Quant Trio	Pos Quant Trio
BDE8PJ	Pos PowerQuant	Pos PowerQuant
BEQMJK	Pos Powerquant	Pos Powerquant
BJJWGP	Pos HemaTrace	Pos HemaTrace
BYKDPC	Pos PCR	Pos PCR
C8QTQ6	Pos RSID Blood	Pos RSID Blood
CFZBXG	Pos PowerQuant	Pos PowerQuant
DZYY2H	Pos PowerQuant	Pos PowerQuant
ECTQ98	Pos PCR	Pos PCR
EUC7PH	Pos PowerQuant	Pos PowerQuant
F3YPL3	Pos HTR	Pos HTR
FFR248	Pos PCR	Pos PCR
FHEZYG	Pos Quantifiler Trio	Pos Quantifiler Trio
GJLHU7	Pos PCR	Pos PCR
GTTG38	Pos HemDirect	NT
H7XAGK	Pos Quant Trio, HemaTrace	Pos Quant Trio, HemaTrace
H7XTCF	Pos HemDirect	Pos HemDirect
HJMPFY	Pos RSID Blood	Pos RSID Blood
HP7XX4	Pos PCR	Pos PCR
HVR3JC	Pos PowerQuant	Pos PowerQuant
J4KU6C	Pos PowerQuant	Pos PowerQuant
JFVR8D	Pos ABACard HT	Pos ABACard HT
JGVVC3	Pos PCR	Pos PCR
JJGCCH	Pos Au-STR (PPF)/Y-STR (Y23)	Pos Au-STR (PPF)/Y-STR (Y23)
L7ZUL4	Pos Quant trio	Pos Quant trio
LAKTVR	Pos HemaTrace	Pos HemaTrace
LC9R3H	Pos HemDirect	Pos HemDirect
LQPZ99	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
LY3GWV	Pos HemaTrace	Pos HemaTrace

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
LZU8M9	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
M22EJT	Pos Seratec HemDirect	Pos Seratec HemDirect
MGDKGQ	Pos Quant trio	Pos Quant trio
MZVCR9	Pos	Pos
N9ZTQT	Pos HemaTrace	Pos HemaTrace
NAWYFZ	Pos PCR	Pos PCR
NE6MT2	Pos HemDirect	NT
PB4UEW	Pos HemaTrace	Pos HemaTrace
PCH4NW	Pos PCR	Pos PCR
PT6N4G	Pos PCR	Pos PCR
PYCPCL	NT	Pos HemaTrace
Q746BU	Pos HemaTrace	Pos HemaTrace
Q8Y3NQ	Pos Seratec HemDirect	Pos Seratec HemDirect
QCBKR6	Pos PowerQuant	Pos PowerQuant
QN3APQ	Pos HemaTrace	NT
QQVYGY	Pos Quantifiler Trio	Pos Quantifiler Trio
QZHUYH	Pos HemDirect	NT
R6NMUP	Pos Seratec Hemdirect	Pos Seratec Hemdirect
RTBUB3	Pos PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
UTAMBL	Pos RSID-Blood	Pos RSID-Blood
V2JJNR	Pos PCR	Pos PCR
VB4Y7Z	Pos PowerQuant	Pos PowerQuant
VBYH82	Pos Powerquant	Pos Powerquant
VCER8U	Pos HemDirect	NT
VHJQK6	Pos HemaTrace	Pos HemaTrace
VNBTPP	Pos HemaTrace	Pos HemaTrace
VPJWB2	Pos Power Quant	Pos Power Quant
VTJ982	Pos PowerQuant	Pos PowerQuant
WHEFFL	Pos ABACard HemaTrace	Pos ABACard HemaTrace
WQUC4T	Pos Quant	Pos Quant

TABLE 1d

WebCode	Human Origin Screening Results	
	Item 3	Item 4
WUUX36	Pos Quant Trio	Pos Quant Trio
WWCPWZ	Pos Powerquant	Pos PowerQuant
XKYRRW	Pos HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
XLUFXY	Pos Quant Trio	Pos Quant Trio
Y23LYV	Pos PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
ZXH2GY	Pos HD	Pos HD

Table 1d: Serology Screening Response Summary - Human Origin			Participants: 94
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	93	87	
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
282AL2	Pos Quant TRIO	Pos Quant TRIO
2B2KH2	Pos Quant Trio	Pos Quant Trio
2JCEGF	Pos PowerQuant	Pos PowerQuant
3H3PX4	Pos PCR	Pos PCR
3RAEJF	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
4QTM3H	Pos PCR	Pos PCR
4V4AMU	Pos	Pos
4XQDMT	Pos Quant Trio	Pos Quant trio
6TQNJQ	Pos Quant Trio	Pos Quant Trio
7XJ6BB	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
8VRB8F	Pos PCR	Pos PCR
A3KYNP	Pos Quant	Pos Quant
A3ZVFN	Pos PowerQuant	Pos PowerQuant
ATDKYM	Pos Quant Trio	Pos Quant Trio
BFMBPM	Pos Quant trio	Pos Quant trio
BYKDPC	Pos PCR	Pos PCR
ECTQ98	Pos PCR	Pos PCR
EEKKC4	Pos Investigator Quant Pro	Pos Investigator Quant Pro
ELJ844	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
EXC37J	Pos	Pos
FFR248	Pos PCR	Pos PCR
FHEZYG	Pos Quantifiler Trio	Pos Quantifiler Trio
GBDZ3Z	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
GJLHU7	Pos PCR	Pos PCR
H7XAGK	Pos Quant Trio	Pos Quant Trio
H92L9Y	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
HFX9H	Pos Powerquant	Pos Powerquant
HP7XX4	Pos PCR	Pos PCR
JGWVC3	Pos PCR	Pos PCR
JJGCCH	Pos Amelogenin/Y-STR (Y23)	Pos Amelogenin/Y-STR (Y23)
LWTQ8C	Pos Powerquant	Pos Powerquant
M7JXZV	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
MGDKGQ	Pos Quant trio	Pos Quant trio
MZVCR9	NT	Pos
NAWYFZ	Pos PCR	Pos PCR

TABLE 1e

WebCode	Y Screening Results	
	Item 3	Item 4
NKXHWU	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
PCH4NW	Pos PCR	Pos PCR
PT6N4G	Pos PCR	Pos PCR
QN3APQ	NT	Pos
R3JKXD	Pos Y-Screen	Pos Y-Screen
R9CF4R	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
UFKQ9N	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
V2JJNR	Pos PCR	Pos PCR
VRTVWV	Pos Promega Casework Direct Kit and PowerQuant qPCR	Pos Promega Casework Direct Kit and PowerQuant qPCR
W9EV4K	Pos Investigator Quantiplex Pro	Pos Investigator Quantiplex Pro
WQ8DX2	Pos SwabSolution	Pos SwabSolution
WQUC4T	Pos Quant	Pos Quant
WUUX36	Pos Quant Trio	Pos Quant Trio
XHWBCZ	Pos Y-Screening	Pos Y-Screening
XLUFXY	Pos Quant Trio	Pos Quant Trio

Table 1e: Serology Screening Response Summary - Y Screening		Participants: 50	
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	48	50	
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 1f

WebCode	Other Screening Results			
	Item 3		Item 4	
M22EJT	Feces, Urine	Neg Micro, Urobilinogen, Creatinine, DMAC	Feces, Urine	Neg Micro, Urobilinogen, Creatinine, DMAC
VW86Q8	Acid phosphatase	Neg Phosphatesmo KM	Acid phosphatase	Neg Phosphatesmo KM

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

24Z4PM	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10				
282AL2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	NT	NT	13,28,2	7,8	8,8
	14,16	10	NT	NT	2	
288AGF	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10			2	
29T6TM	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10				
2B2KH2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	NR
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	NR	NR	13,28,2	7,8	8,8
	14,16	10	NR	NR	2	
2CFGUD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

2JCEGF	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
2MGZDT	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
2PMJHG	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
2W9EJK	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
2XD2WP	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
2XTCKV	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
2ZJ4M9	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

38FTQB	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3A7UUE	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
3ALLXC	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
3BX23H	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3FAXHR	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
3FV28Z	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
3FVCAB	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

3HJW4L	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3JA9DR	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
3R4K4A	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3R4MTD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
3RAEJF	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3UBPAN	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
3Y4M3K	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	

TABLE 2

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

Item 1 - STR Results

3ZY74M	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
42P3YT	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
436V3P	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
43L97R	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
47YNK6	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
4BFAQC	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4DJJNU	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

4HFQ2H	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
4JAWLC	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4K4CND	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4KFG BX	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4N4VZ8	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4PB9G9	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4XQDMT	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

4Y2EBD	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
62LL9E	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
67U2PP	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
69YQUJ	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
6C6EPW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
6DV7N2	Investigator® 24plex GO! (TrueAllele)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
6EA8GA	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

6K2VAF	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6KCQPR	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
6M4P3Q	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6NERPP	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6NWN6V	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
6RXRWH	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
6TB8KR	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

6TQNJQ	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
6UMFKY	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
6VXVWR	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6X8QQW	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
6ZCJGN	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
73CXHK	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
748GKL	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

76H7GQ	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
7ERF74	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
7H6TVB	Identifiler®					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
7JD3LM	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
7KR8JK	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
7NEYEN	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
7T4NT7	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

7W3ZP7	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
7W6Z38	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
7XJ6BB	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
7Z7TMB	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
7ZPJUA	PowerPlex® Fusion 5C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,[14]	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13		7,8	8
	14,16	10				
86F3YD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
886B2M	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

88LRWF	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
8A8B3K	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8P2ZXG	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8T4WLQ	GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
8TJZBC	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8TMK3K	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8XB24W	PowerPlex® 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

928HZ4	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
94FZC2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
96BJE3	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
98HYMU	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
9BZG3B	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
9CQUCG	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
9D9UJD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

9GQWQH	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
9JTWKN	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
9KMR26	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
9M9C79	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
9QFHWF	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
9XTBRR	PowerPlex® Fusion Direct					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16	10				
A27XUF	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

A3KYNP	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
A3YW69	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
A3ZVFN	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
A67JTT	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
A722VU	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	Not tested
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	Not tested	Not tested	13,28.2	7,8	8,8
	14,16	10	Not tested	Not tested	2	
AD2LV6	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
AEW4W7	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

AGJ8YQ	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
AQL2Y4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ATDKYM	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
AVGVW6	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
B6MMUJ	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
B7W6ZP	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
BBAJCE	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

BCNUFD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
BDE8PJ	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
BEQMJK	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
BFMBPM	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
1	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
BHQHYL	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
BJJWGP	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
BJMB2D	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

BJNEFN	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
BLPUVL	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
BNXEWL	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
BQ6U6C	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
BTW9F	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
BW9NDM	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
BYFWQD	GlobalFiler™ (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

C8QTQ6	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
C93BAA	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
CGCYM9	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
CRCACH	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
CT8YAK	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
CWK2WF	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
D6Z9NZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

DATVF7	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DBJ9QB	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
DCEQRD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DD868X	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
DMF3BL	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
DPJAKK	PowerPlex® Fusion 5C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13		7,8	8
	14,16	10				
DQUC8J	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

DQY7VC	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
DYQAUL	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DZN6CA	GlobalFiler™ (STRmix v2.8)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
DZYY2H	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
E2U6DP	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
E2UVAC	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
E4DGPZ	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

E7L4AC	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
EEKKC4	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EJDLAB	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ELJ844	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EM9F8D	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EMUM3G	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
EN6VF4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

ETJDUY	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EUB242	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EUC7PH	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
EV7364	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
EV9UWK	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EXC37J	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
F3YPL3	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 1 - STR Results

F4DDK9	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
F9MWYN	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
FCPHL7	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
FDGTLU	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
FEERPF	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
FHEZYG	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
FMRHED	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

FWWQUD	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
G4CTG7	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
G4M64W	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
GAFMPF	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
GBDZ3Z	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
GCLUML	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	-
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	-	-	13,28.2	7,8	8,8
	14,16	10	-	-	2	
GEAPH8	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

GHVTGZ	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
GL8V3V	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		
GPB3V2	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		
GRJ8EG	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
GRVWPG	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
GTTG38	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		
GU3BY8	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

H6GMPB	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H7XAGK	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H7XTCF	GlobalFiler™ Globalfiler Express (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H92L9Y	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HARUB9	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HBNAJZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HENF3C	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

HFXX9H	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HJMPFY	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HK9KR7	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
HNWWTW	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
HPLT9X	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HVR3JC	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
HW973B	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

J4KU6C	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
J8JDMW	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
JARNEU	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JBK324	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
JFVR8D	GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JJGCCH	PowerPlex® 5C					
	16	16,24	11,14	14,18	9,12	--
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	--	7,8	8
	14,16	10	---	---	---	
JKRDYG	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

JMFRMQ	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JRAYC8	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
K2R2AT	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
KA4KMK	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KDL46T	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KHG26Y	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KMWRCE	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

KN6GKC	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
KQB837	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KUD3QF	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
KVMRWR	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
KY8WP3	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
L4ZLJE	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
L7ZUL4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

L9NBXW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LAKTVR	GlobalFiler™					
	16	14,16	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LC9R3H	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LCMLTW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LHC9HB	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
LLHKQX	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LMD3TY	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

LPDDH8	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
LQPZ99	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
LTTH2G	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LWTQ8C	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
LY3GW	GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LZU8M9	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
M22CUN	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

M22EJT	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
M7JXZV	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
M7XLY2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
M8ABA2	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
MC9EAZ	GlobalFiler™ (STRmix v2.6)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
MCJL4	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
MGDKGQ	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

MKEWQR	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
MNJYM2	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
MU43KW	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
MU6GVQ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
MVD6F3	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
MZVCR9	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
N47RV7	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

N62E44	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10				
N6D9LN	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28,2	7,8	8
	14,16	10	18	15		
N9ZTQT	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
NE6MT2	GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	
NEAEUC	GlobalFiler™ (GeneMapper ID-X 1.5)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	
NKXHWU	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10			2	
NLNQZ4	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

NMK79U	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
NP7HWL	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
NQ3ZXM	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
NWMYQF	GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
P2ZQ7T	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
P4KKZ9	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
P7BYB4	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

PAPE3G	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15	2	
PB4UEW	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
PDMXYM	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
PG9CFP	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
PH77BT	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	-
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	-	-	13,28.2	7,8	8,8
	14,16	10	-	-	2	
PL37FC	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
PYCPCL	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

PZ3BX3	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
Q746BU	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
Q8Y3NQ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QA4VKA	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
QBK8HZ	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QCBKR6	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
QG9X3A	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 1 - STR Results

QHXXML	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QN3APQ	Identifiler® Plus					
		16,24		14,18	9,12	
	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
QPD6D4	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
QQVYGY	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QZHUHY	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R3JKXD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
R6NMUP	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

R7ZEM7	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R8BM4Y	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R9CF4R	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
RF7W3V	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
RG2BY2	Investigator® 24plex Q/S					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
RHCJX9	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
RPYXWT	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

RTBUB3	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
RU6UD8	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
T29TPW	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
T4C6BJ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
T4TW9M	PowerPlex® Fusion 5C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13		7,8	8
	14,16	10				
T8WH98	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
T9ZGWK	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

TDUG9U	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
TT7KP3	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
TTQLQ6	PowerPlex®					
	16,16	16,24		14,18	9,12	12,19
1	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
U22AXC	Investigator® 24plex GO!					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
U7GKC2	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
UBLNUM	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
UD93HW	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

UFKQ9N	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
UL9BEP	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
UMXFDA	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
UP4B4K	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
UTAMBL	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
UXVUHT	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
UYDNH3	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	N/A
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15	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

V2E9LT	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
VB4Y7Z	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VBYH82	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VCER8U	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
VGBE34	PowerPlex® Fusion 6C Direct					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VHJQK6	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VMGY3T	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

VNBTPP	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VP7CRR	GlobalFiler™ Express (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
VPJWB2	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VQXDVU	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
VTJ982	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VW86Q8	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
W6CXTT	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

W9EV4K	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WHEFFL	Identifiler® Plus					
		16,24		14,18	9,12	
1	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
WQ8DX2	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WQUC4T	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WU749Z	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
WUUX36	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
WVPF68	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

WWCPWZ	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
WZ3LVR	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
X8DYWG	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
XGLVCM	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
XHWBCZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
XKYRRW	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
XLUFXY	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

XNKN29	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15	2	
XNZFZD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
XNZHPH	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
Y23LYV	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
Y3CNMF	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
Y7CYHF	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
Y8RB6R	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 1 - STR Results

Y9KGUD	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
YGZNLV	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
YNWPHE	GlobalFiler™ 28-cycle					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
YRHAMJ	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
YUJ6YE	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
YYF2TR	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
ZB6F9E	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 1 - STR Results

ZF3TGX	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
1	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
ZH73DF	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
ZJFAF9	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
ZJLRUT	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
ZNV6CR	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZP6Y8Q	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
ZQZTVM	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	

TABLE 2

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

Item 1 - STR Results

ZRJWUG	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZTM8JX	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
1	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
ZTNMXD	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
ZW8B4N	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
ZWRFTW	Investigator® 24plex					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
ZXH2GY	GlobalFiler™ Express (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
ZXMJFX	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
1	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					

TABLE 2

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

Item 1 - STR Results

ZZPGQP	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
1	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 2 - STR Results

24Z4PM	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
282AL2	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	NT
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20,20	9,9.3	8,11
	17,17	11	NT	NT	2	
288AGF	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
29T6TM	Investigator® 24plex (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
2B2KH2	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	NR
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	NR	NR	20,20	9,9.3	8,11
	17,17	11	NR	NR	2	
2CFGUD	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
2JCEGF	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					

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

2MGZDT	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
2PMJHG	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
2W9EJK	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
2XD2WP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
2XTCKV	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
2ZJ4M9	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
38FTQB	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

3A7UUE	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
3ALLXC	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
3BX23H	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
3FAXHR	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
3FV28Z	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
3FVCAB	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
3HJW4L	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

3JA9DR	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
3R4K4A	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
3R4MTD	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
3RAEJF	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
3UBPAN	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
3Y4M3K	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
3ZY74M	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

42P3YT	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
436V3P	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
43L97R	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
47YNK6	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
4BFAQC	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4DJJNU	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4HFQ2H	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	

TABLE 2

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

Item 2 - STR Results

4JAWLC	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4K4CND	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4KFG BX	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4N4VZ8	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4PB9G9	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
4XQDMT	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
4Y2EBD	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

62LL9E	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
67U2PP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
69YQUJ	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
6C6EPW	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
6DV7N2	Investigator® 24plex GO! (TrueAllele)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
6EA8GA	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
6K2VAF	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		

TABLE 2

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

Item 2 - STR Results

6KCQPR	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
6M4P3Q	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
6NERPP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
6NWN6V	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
6RXRWH	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
6TB8KR	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
6TQNJQ	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

6UMFKY	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
6VXVWR	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
6X8QQW	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
6ZCJGN	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
73CXHK	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
748GKL	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
76H7GQ	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

7ERF74	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
7H6TVB	Identifiler®					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
7JD3LM	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
7KR8JK	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
7NEYEN	Investigator® 24plex (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
7T4NT7	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
7W3ZP7	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

7W6Z38	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
7XJ6BB	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
7Z7TMB	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
7ZPJUA	PowerPlex® Fusion 5C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17	11				
86F3YD	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
886B2M	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
88LRWF	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

8A8B3K	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
8P2ZXG	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
8T4WLQ	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
8TJZBC	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
8TMK3K	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
8XB24W	PowerPlex® 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
928HZ4	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

94FZC2	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
96BJE3	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
98HYMU	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
9BZG3B	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
9CQUCG	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
9D9UJD	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
9GQWQH	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

9JTWKN	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
9KMR26	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
9M9C79	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
9QFHWF	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
9XTBRR	PowerPlex® Fusion Direct					
	16,17.3	19,20	10,11	16,16	11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17	11				
A27XUF	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
A3KYNP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

A3YW69	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
A3ZVFN	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
A67JTT	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
A722VU	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	Not tested
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	Not tested	Not tested	20,20	9,9.3	8,11
	17,17	11	Not tested	Not tested	2	
AD2LV6	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
AEW4W7	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
AGJ8YQ	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

AQL2Y4	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
ATDKYM	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
AVGVW6	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
B6MMUJ	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
B7W6ZP	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
BBAJCE	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
BCNUFD	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

BDE8PJ	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
BEQMJK	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
BFMBPM	PowerPlex® 21					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					
BHQHYL	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
BJJWGP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
BJMB2D	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
BJNEFN	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

BLPUVL	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
BNXEWL	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
BQ6U6C	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
BTW9F	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
BW9NDM	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
BYFWQD	GlobalFiler™ (STRMix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
C8QTQ6	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

C93BAA	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
CGCYM9	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
CRCACH	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
CT8YAK	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
CWK2WF	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
D6Z9NZ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
DATV7	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

DBJ9QB	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
DCEQRD	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
DD868X	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
DMF3BL	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
DPJAKK	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
DQUC8J	PowerPlex® Fusion, Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11				
DQY7VC	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

DYQAUL	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
DZN6CA	GlobalFiler™ (STRmix v2.8)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
DZYY2H	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
E2U6DP	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
E2UVAC	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
E4DGPZ	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
E7L4AC	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

EEKCC4	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
EJDLAB	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
ELJ844	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
EM9F8D	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
EMUM3G	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
EN6VF4	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
ETJDUY	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

EUB242	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
EUC7PH	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
EV7364	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
EV9UWK	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
EXC37J	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
F3YPL3	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
F4DDK9	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

F9MWYN	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
FCPHL7	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
FDGLU	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
FEERPF	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
FHEZYG	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
FMRHED	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
FWWQUD	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

G4CTG7	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
G4M64W	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
GAFMPF	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
GBDZ3Z	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
GCLUML	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	-
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	-	-	20,20	9,9.3	8,11
	17,17	11	-	-	2	
GEAPH8	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
GHVTGZ	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

GL8V3V	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
GPB3V2	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
GRJ8EG	PowerPlex® 21					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					
GRVWPG	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
GTTG38	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
GU3BY8	Investigator® 24plex (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
H6GMPB	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

H7XAGK	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
H7XTCF	GlobalFiler™ Globalfiler Express (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
H92L9Y	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
HARUB9	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
HBNAJZ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
HENF3C	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
HFX9H	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

HJMPFY	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
HK9KR7	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
HNWWTW	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
HPLT9X	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
HVR3JC	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
HW973B	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
J4KU6C	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		

TABLE 2

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

Item 2 - STR Results

J8JDMW	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
JARNEU	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
JBK324	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
JFVR8D	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
JJGCCH	PowerPlex® 5C					
	16,17.3	19,20	10,11	16	11	--
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	--	9,9.3	8,11
	17	11	--	---	--	
JKRDYG	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
JMFRMQ	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

JRAYC8	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
K2R2AT	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
KA4KMK	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
KDL46T	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
KHG26Y	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
KMWRCE	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
KN6GKC	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

KQB837	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
KUD3QF	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
KVMRWR	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
KY8WP3	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
L4ZLJE	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
L7ZUL4	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
L9NBXW	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

LAKTVR	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
LC9R3H	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
LCMLTW	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
LHC9HB	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
LLHKQX	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
LMD3TY	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
LPDDH8	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

LQPZ99	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
LTTH2G	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
LWTQ8C	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
LY3GW	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
LZU8M9	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
M22CUN	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
M22EJT	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

M7JXZV	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
M7XLY2	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
M8ABA2	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
MC9EAZ	GlobalFiler™ (STRmix v2.6)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
MCJL4	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
MGDKGQ	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
MKEWQR	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

MNJYM2	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
MU43KW	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
MU6GVQ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
MVD6F3	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
MZVCR9	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
N47RV7	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
N62E44	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

N6D9LN	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
N9ZTQT	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
NE6MT2	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
NEAEUC	GlobalFiler™ (GeneMapper ID-X 1.5)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
NKXHWU	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
NLNQZ4	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
NMK79U	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

NP7HWL	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
NQ3ZXM	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
NWMYQF	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
P2ZQ7T	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
P4KKZ9	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
P7BYB4	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
PAPE3G	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	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

PB4UEW	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
PDMXYM	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
PG9CFP	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
PH77BT	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	-
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	-	-	20,20	9,9.3	8,11
	17,17	11	-	-	2	
PL37FC	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
PYCPCL	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
PZ3BX3	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

Q746BU	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
Q8Y3NQ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
QA4VKA	Investigator® 24plex QS (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
QBK8HZ	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
QCBKR6	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
QG9X3A	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
QHXXML	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

QN3APQ	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
QPD6D4	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
QQVYGY	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
QZHUHY	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
R3JKXD	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
R6NMUP	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
R7ZEM7	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

R8BM4Y	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
R9CF4R	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
RF7W3V	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
RG2BY2	Investigator® 24plex Q/S					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
RHCJX9	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
RPYXWT	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
RTBUB3	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		

TABLE 2

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

Item 2 - STR Results

RU6UD8	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
T29TPW	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
T4C6BJ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
T4TW9M	PowerPlex® Fusion 5C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17	11				
T8WH98	PowerPlex® Fusion 6C Direct					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
T9ZGWK	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
TDUG9U	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

TT7KP3	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
TTQLQ6	PowerPlex®					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					
U22AXC	Investigator® 24plex GO!					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
U7GKC2	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
UBLNUM	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
UD93HW	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
UFKQ9N	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

UL9BEP	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
UMXFDA	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
UP4B4K	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
UTAMBL	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
UXVUHT	Investigator® 24plex (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
UYDNH3	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	N/A
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17	N/A	
V2E9LT	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	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

VB4Y7Z	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
VBXH82	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
VCER8U	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
VGBE34	PowerPlex® Fusion 6C Direc					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
VHJQK6	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
VMGY3T	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
VNBTPP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 2 - STR Results

VP7CRR	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
VPJWB2	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
VQXDVU	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
VTJ982	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
VW86Q8	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
W6CXTT	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
W9EV4K	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

WHEFFL	Identifiler® Plus					
		19,20		16,16	11,11	
2	9,11	10,13			11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22				9,9.3	8,11
	17,17					
WQ8DX2	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
WQUC4T	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
WU749Z	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
WUUX36	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
WVPF68	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
WWCPWZ	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		

TABLE 2

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

Item 2 - STR Results

WZ3LVR	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
X8DYWG	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11		2		
XGLVCM	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11		2		
XHWBCZ	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11		2		
XKYRRW	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
XLUFXY	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11		2		
XNKN29	PowerPlex® Fusion 6C, GlobalFiler™ Express					
	16,17.3	19,20	10,11	16,16	11,11	
	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	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

XNZFZD	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
XNZHPH	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
Y23LYV	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20,20	9,9.3	8,11
	17,17	11	18	17		
Y3CNMF	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
Y7CYHF	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
Y8RB6R	GlobalFiler™ Express					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
Y9KGUD	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

YGZNLV	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
YNWPHE	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
YRHAMJ	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
YUJ6YE	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
YYF2TR	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
ZB6F9E	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
ZF3TGX	PowerPlex® 21					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					

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

ZH73DF	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		
ZJFAF9	GlobalFiler™					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
ZJLRUT	Investigator® 24plex QS					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
ZNV6CR	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
ZP6Y8Q	Investigator® 24plex					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11				
ZQZTVM	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16	11	NT
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	NT	NT	20	9,9.3	8,11
	17	11	NT	NT	2	
ZRJWUG	GlobalFiler™					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	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

ZTM8JX	PowerPlex® 21					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					
ZTNMXD	GlobalFiler™ (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
ZW8B4N	Investigator® 24plex					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11				
ZWRFTW	Rapid IntelPlus					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22			20	9,9.3	8,11
	17	11			2	
ZXH2GY	GlobalFiler™ Express (STRmix)					
	16,17.3	19,20	10,11	16,16	11,11	
2	9,11	10,13	16,16	22,22	11,13	9,13
	14,14	13,14	28,29	11,12	X,Y	10,11
	18,22			20,20	9,9.3	8,11
	17,17	11			2	
ZXMJFX	PowerPlex® 21					
	16,17.3	19,20		16,16	11,11	10,18
2	9,11	10,13		22,22	11,13	9,13
	14,14	13,14	28,29		X,Y	10,11
	18,22	2.2,12	8,13		9,9.3	8,11
	17,17					
ZZPGQP	PowerPlex® Fusion 6C					
	16,17.3	19,20	10,11	16	11	
2	9,11	10,13	16	22	11,13	9,13
	14	13,14	28,29	11,12	X,Y	10,11
	18,22	2.2,12	8,13	20	9,9.3	8,11
	17	11	18	17		

TABLE 2

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

Item 3 - STR Results

24Z4PM	Investigator® 24plex (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
282AL2	GlobalFiler™ (STRmix x2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
288AGF	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
29T6TM	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
2B2KH2	GlobalFiler™ (STRmix v. 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NR
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NR	NR	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NR	NR	2	
2CFGUD	GlobalFiler™					
	16,[17.3]	16,19,20,24	[10],11,14	[14],16,[18]	[9],11,[12]	
3	[8],[9],11	10,11,12,13	[14],[15],16	[17],[19],22	10,11,[12],13	9,11,[13]
	14,[18],[19]	13,14	28,29,32.2,36	11,12,16	X,Y	[10],11,[12]
	18,19,22,23			[13],20,[28.2]	7,8,9,9.3	8,[11]
	[14],[16],17	10,11			2	
2JCEGF	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					

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

2MGZDT	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
2PMJHG	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
2W9EJK	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,17,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
2XD2WP	PowerPlex® Fusion 6C (STRmix v2.6)					
	16,[17.3]	16,19,20,24	[10],11,[14]	14,16,18	9,11,[12]	
3	[8],[9],11	10,11,12,13	14,15,16	[17],[19],22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	[10],11,12
	18,19,22,23	2.2,9,12,14	8,[12],13	13,20,[28.2]	7,8,9,9.3	8,[11]
	14,16,17	10,11	18	15,17		
2XTCKV	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
2ZJ4M9	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
38FTQB	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

3A7UUE	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
3ALLXC	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
3BX23H	GlobalFiler™ (STRmix)					
	15,16,17.3	16,18,19,20,24	9,10,11,14	13,14,15,16,17,18	9,10,11,12	
3	8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20,21,27.2,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
3FAXHR	PowerPlex® Fusion 6C (STRmix V 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
3FV28Z	GlobalFiler™ (STRmix)					
	15,16,16.3,17.3	16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20,27.2,28,28.2	7,8,9,9.3	8,11
	14,15,16,17	10,11			2	
3FVCAB	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

3HJW4L	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
3JA9DR	PowerPlex® Fusion 6C (STRMix v2.8.0)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
3R4K4A	GlobalFiler™ (STRmix v2.8)					
	15,15.2,16,16.3,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,20,21,22,23			12,12.2,13,19,19.2,20.2,21,27.2,28,28.2	6,7,8,9,9.3	7,8,11
	13,14,15,16,17	9,10,11			2	
3R4MTD	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
3RAEJF	GlobalFiler™ (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
3Y4M3K	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	

TABLE 2

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

Item 3 - STR Results

3ZY74M	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
42P3YT	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
436V3P	Investigator® 24plex QS (STRMix 2.4)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
43L97R	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
47YNK6	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
4BFAQC	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
4DJJNU	GlobalFiler™					
	16,[17.3]	16,19,20,24	10,11,14	14,16,18	[9],11,[12]	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,[18],[19]	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			[13],20,[28.2]	7,8,9,9.3	8,[11]
	[14],[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 3 - STR Results

4HFQ2H	GlobalFiler™ (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
4JAWLC	GlobalFiler™ (STRmix 2.4.06)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
4K4CND	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
4KFGBX	GlobalFiler™ (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,10,11
	14,16,17	10,11			2	
4N4VZ8	GlobalFiler™ (STRmix 2.8)					
	15,15.2,16,16.3,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	8,9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	10,11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20,27.2,28,28.2	6,7,8,9,9.3	7,8,11
	14,15,16,17	9,10,11			2	
4PB9G9	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

4XQDMT	Identifiler® Plus, MiniFiler (STRmix v 2.10.0)					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
4Y2EBD	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
62LL9E	GlobalFiler™ (STRmix)					
	15,16,16.3,17.3	16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	9,10,11,12	
3	8,9,10,11	9,10,11,12,13	13,14,15,16	17,19,21,22	10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20,27.2,28.2	7,8,9,9.3	8,11
	14,15,16,17	10,11			2	
67U2PP	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
69YQUJ	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
6C6EPW	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
6DV7N2	Investigator® 24plex QS (TrueAllele)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

6EA8GA	GlobalFiler™ (STRmix v2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
6K2VAF	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6KCQPR	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6M4P3Q	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6NERPP	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6NWN6V	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6RXRWH	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

6TB8KR	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
6TQNJQ	Identifiler® Plus (STRmix 2.10.0)					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
6VXVWR	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6X8QQW	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
6ZCJGN	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
73CXHK	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
748GKL	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

76H7GQ	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
7ERF74	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
7H6TVB	Identifiler®					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
7JD3LM	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
7KR8JK	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
7NEYEN	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
7T4NT7	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

7W3ZP7	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
7W6Z38	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
7XJ6BB	GlobalFiler™ (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
7Z7TMB	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
7ZPJUA	PowerPlex® Fusion 5C					
	16,[17.3]	16,[19],20,[24]	[10],11,[14]	[14],16,[18]	[9],11,[12]	
3	[8,9],11	10,11,12,13	[14,15],16	[17],19,22	[10],11,12,13	[9],11,[13]
	14,[18,19]	13,14	28,29,[32.2,36]	[11,12],16	X,Y	[10],11,[12]
	18,[19],22,23	2.2,[9],12,[14]	8,[12],13		7,8,9,9.3	8,[11]
	14,[16],17	10,11				
86F3YD	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
886B2M	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

88LRWF	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8A8B3K	GlobalFiler™, MiniFiler (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8P2ZXG	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8T4WLQ	GlobalFiler™ (STRmix v.2.9.1)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8TJZBC	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8TMK3K	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
8XB24W	PowerPlex® 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

928HZ4	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
94FZC2	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
96BJE3	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
98HYMU	GlobalFiler™ (STRmix v2.8)					
	15,15.2,16,16.3,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20.2,27.2,28,28.2	7,8,9,9.3	8,11
	14,15,16,17	10,11			2	
9BZG3B	GlobalFiler™ (TrueAllele)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
9CQUCG	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

9D9UJD	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
9GQWQH	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	16,[17.3]	16,19,20,24	10,11,[14]	[14],16,[18]	[9],11,12	
3	8,[9],11	10,11,12,13	[14],15,16	[17],[19],22	10,11,12,13	9,11,13
	14,[18],19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,[12]
	18,19,22,23	2.2,[9],12,14	8,12,13	13,20,[28.2]	7,8,9,9.3	8,[11]
	[14],16,17	10,11	18	15,17		
9JTWKN	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
9KMR26						
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
9M9C79	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
9QFHWF	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
A3KYNP	PowerPlex® Fusion 6C (STRmix v2.9)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

A3YW69	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28,2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
A3ZVFN	GlobalFiler™ (STRmix version 2.6.3)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28,2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
A67JTT	GlobalFiler™ (STRmix v2.8)					
	15,15.2,16,16.3,17,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	8,9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31,2,32,2,35,36	10,11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,20,21,22,23,24			12,12.2,13,19,19.2,20,27,2,28,28.2	6,7,8,8.3,9,9.3	7,8,10,11
	14,15,16,17	10,11			2	
A722VU	GlobalFiler™ (STRmix 2.8.0)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	Not tested
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	Not tested	Not tested	13,20,28,2	7,8,9,9.3	8,11
	14,16,17	10,11	Not tested	Not tested	2	
AD2LV6	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28,2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
AEW4W7	GlobalFiler™ (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32,2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28,2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

AGJ8YQ	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
AQL2Y4	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ATDKYM	Identifiler® Plus (STRmix v2.10.0)					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
AVGVW6	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
B6MMUJ	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
B7W6ZP	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
BBAJCE	Investigator® 24plex (STRmix V2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

BCNUFD	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
BDE8PJ	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
BEQMJK	PowerPlex® Fusion 6C (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
BFMBPM	PowerPlex® 21 (STRMix)					
	16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13		17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					
BHQHYL	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
BJJWGP	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
BJMB2D	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

BJNEFN	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
BLPUVL	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
BNXEWL	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13,	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
BQ6U6C	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
BW9NDM	PowerPlex® Fusion 6C (STRmix 2.6.1)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
BYFWQD	GlobalFiler™ (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
C8QTQ6	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

C93BAA	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
CGCYM9	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
CRCACH	Investigator® 24plex QS (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
CT8YAK	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
CWK2WF	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
D6Z9NZ	GlobalFiler™					
	16,[17.3]	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,[11]
	14,16,17	10,11			2	
DATV7	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

DBJ9QB	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
DCEQRD	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
DD868X	GlobalFiler™ (STRmix v2.5.11)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
DMF3BL	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
DPJAKK	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
DQUC8J	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
DQY7VC	Investigator® 24plex (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

DYQAUL	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
DZN6CA	GlobalFiler™ (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
DZYY2H	PowerPlex® Fusion 6C (STRmix 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
E2U6DP	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
E4DGPZ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
E7L4AC	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
EEKCC4	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

EJDLAB	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ELJ844	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
EM9F8D	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
EMUM3G	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
EN6VF4	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ETJDUY	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
EUB242	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

EUC7PH	PowerPlex® Fusion 6C (STRmix 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
EV7364	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
EV9UWK	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
EXC37J	GlobalFiler™ (STRmix™ v2.6.3)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
F3YPL3	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
F4DDK9	Investigator® 24plex (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
F9MWYN	GlobalFiler™ (STRmix v 2.8.0)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

FCPHL7	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
FDGTLU	GlobalFiler™ (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
FEERPF	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
FHEZYG	Identifiler® Plus (STRmix 2.10.0)					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
FMRHED	Investigator® 24plex QS (STRmix v2.4)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
FWWQUD	Investigator® 24plex QS (STRmix V2.4)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
G4CTG7	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

G4M64W	GlobalFiler™ (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GAFMPF	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
GBDZ3Z	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GCLUML	GlobalFiler™ (STRmix 2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	-
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	-	-	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	-	-	2	
GEAPH8	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GHVTGZ	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GL8V3V	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

GPB3V2	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GRJ8EG	PowerPlex® 21					
	16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13		17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					
GRVWPG	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
GTTG38	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
GU3BY8	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
H6GMPB	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
H7XAGK	GlobalFiler™ (STRmix v2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

H7XTCF	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
H92L9Y	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
HARUB9	GlobalFiler™, MiniFiler (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
HBNAJZ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
HENF3C	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
HFX9H	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
HJMPFY	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

HK9KR7	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
HNWWTW	GlobalFiler™					
	16,[17.3]	[16],19,20,24	[10],11,[14]	[14],16,[18]	[9],11,[12]	
3	[8],9,11	10,11,12,13	[14],[15],16	[17],[19],22	10,11,12,13	9,11,13
	14,[18],[19]	13,14	28,29,[32.2],36	11,[12],16	X,Y	[10],11,[12]
	18,19,22,23			[13],20,[28.2]	7,8,[9],9.3	8,[11]
	[14],[16],17	10,11			2	
HPLT9X	GlobalFiler™ (STRmix v2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
HVR3JC	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
HW973B	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
J4KU6C	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
J8JDMW	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

JARNEU	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
JBK324	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
JFVR8D	GlobalFiler™ (Lab Retriever)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
JJGCCH	PowerPlex® 5C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	--
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	--	7,8,9,9.3	8,11
	14,16,17	10,11	--	--	--	
JKRDYG	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
JMFRMQ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
JRAYC8	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

K2R2AT	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
KA4KMK	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
KDL46T	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
KHG26Y	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	[13],14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
KMWRCE	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
KQB837	GlobalFiler™ (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
KUD3QF	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

KVMRWR	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
KY8WP3	GlobalFiler™ (STRmix V 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
L4ZLJE	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
L7ZUL4	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
L9NBXW	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14,[15]	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LAKTVR	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LC9R3H	GlobalFiler™ (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

LCMLTW	GlobalFiler™					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LHC9HB	PowerPlex® Fusion 6C					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,17.3,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
LLHKQX	GlobalFiler™ (STRmix)					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LMD3TY	GlobalFiler™ (STRmix 2.8)					
3	15,16,17.3	16,19,20,24	10,11,14	14,15,16,17,18	9,10,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,21,22	10,11,12,13	9,11,13
	13,14,17,18,19	13,14	28,29,32.2,35,36	11,12,15,16	X,Y	10,11,12
	18,19,22,23			13,19,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LPDDH8	Investigator® 24plex QS (STRmix V2.4.06)					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
LQPZ99	PowerPlex® Fusion 6C (STRmix 2.8.0)					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
LTTH2G	GlobalFiler™ (STRmix v 2.8.0)					
3	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

LWTQ8C	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
LY3GW	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
LZU8M9	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
M22CUN	GlobalFiler™ (STRmix 2.8)					
	14,15,15.2,16,16.3,17,17.3	15,16,18,19,20,23,24	9,10,11,12,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13	8,9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	10,11,12,13,14,15,16,17	X,Y	9,10,11,12
	17,18,19,21,22,23			12,28,28.2,12.2,13,18,19,19.2,20,21,27.2	6,7,8,8.3,9,9.3	7,8,10,11
	13,14,15,16,17	9,10,11			2	
M22EJT	GlobalFiler™ (BP Sentry)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
M7JXZV	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

M7XLY2	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
M8ABA2	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
MC9EAZ	GlobalFiler™ (STRmix v2.6)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
MGDKGQ	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
MKEWQR	GlobalFiler™ (STRmix v2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
MNJYM2	Investigator® 24plex (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
MU43KW	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

MU6GVQ						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
MVD6F3 Investigator® 24plex (STRmix)						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
MZVCR9 GlobalFiler™ Express						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
N47RV7 Investigator® 24plex QS (STRmix)						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
N62E44 Investigator® 24plex (STRmix)						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
N6D9LN PowerPlex® Fusion 6C (STRmix)						
3	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
N9ZTQT Identifiler® Plus						
3		16,19,20,24		14,16,18	9,11,12	
	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					

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

NE6MT2	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NEAEUC	GlobalFiler™ (GeneMapper ID-X 1.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NKXHWU	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NLNQZ4	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NMK79U	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NP7HWL	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
NQ3ZXM	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

NWMYQF	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
P2ZQ7T	GlobalFiler™					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
P4KKZ9	PowerPlex® Fusion 6C (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
P7BYB4	Investigator® 24plex QS (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
PAPE3G	PowerPlex® Fusion 6C (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
PB4UEW	PowerPlex® Fusion 6C (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
PDMXYM	PowerPlex® Fusion 6C					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

PG9CFP	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
PH77BT	GlobalFiler™ (TrueAllele)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	-
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	-	-	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	-	-	2	
PL37FC	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
PYCPCL	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
PZ3BX3	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
Q746BU	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
Q8Y3NQ	GlobalFiler™ (BulletProof Sentry)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

QA4VKA	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
QCBKR6	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
QG9X3A	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
QHXXML	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
QN3APQ	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
QPD6D4	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
QQVYGY	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

QZHUHY	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
R3JKXD	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
R6NMUP	GlobalFiler™ (Bulletproof Sentry)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
R7ZEM7	GlobalFiler™					
	16,(17.3)	16,19,20,24	10,11,14	(14),16,(18)	(9),11,(12)	
3	8,9,11	10,11,12,13	14,15,16	(17),(19),22	10,11,12,13	9,11,13
	14,(18),(19)	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,(12)
	18,19,22,23			(13),20,(28.2)	7,8,9,9.3	8,(11)
	14,16,17	10,11			2	
R8BM4Y	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
R9CF4R	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
RF7W3V	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				

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 3 - STR Results

RG2BY2	Investigator® 24plex Q/S (STRmix V2.4.06)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
RHCJX9	GlobalFiler™ (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
RPYXWT	GlobalFiler™ (STRmix)					
	15,16,17,3	15,16,18,19,20,23,24	9,10,11,12,13,14	14,15,16,17,18	9,10,11,12	
3	8,9,10,11	9,10,11,12,13	13,14,15,16	17,19,21,22	10,11,12,13	9,10,11,12,13
	13,14,17,18,19	12,13,14	28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y	10,11,12
	17,18,19,21,22,23			12,13,19,19.2,20,27.2,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
RTBUB3	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
RU6UD8	PowerPlex® Fusion 6C (STRmix)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
T29TPW	GlobalFiler™ (STRmix v2.5)					
	16,17,3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

T4C6BJ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
T4TW9M	PowerPlex® Fusion 5C					
	16,[17.3]	16,19,20,24	[10],11,[14]	[14],16,[18]	[9],11,[12]	
3	[8,9],11	[10,11,12],13	[14,15],16	[17,19],22	[10,11],12,13	[9],11,[13]
	14,[18,19]	13,[14]	[28],29,32.2,36	11,12,16	X,Y	10,11,[12]
	18,[19],22,23	[2.2],9,12,14	8,[12],13		[7],8,9,9.3	8,[11]
	[14,16],17	[10],11				
T8WH98	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
T9ZGWK	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
TDUG9U	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
TT7KP3	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
TTQLQ6	PowerPlex® (STRmix V2.8)					
	16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13		17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					

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

U22AXC	Investigator® 24plex QS					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
U7GKC2	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
UBLNUM	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
UD93HW	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
UFKQ9N	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
UL9BEP	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
UMXFDA	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

UP4B4K	GlobalFiler™					
	16,[17.3]	[16],19,20,24	10,11,[14]	[14],16,[18]	[9],11,[12]	
3	8,9,11	10,11,[12],13	[14],[15],16	[17],[19],22	10,11,12,13	9,11,[13]
	14,[18],[19]	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,[12]
	18,19,22,23			13,20,[28.2]	7,8,9,9.3	8,[11]
	[14],[16],17	10,11			2	
UTAMBL	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
UXVUHT	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
UYDNH3	PowerPlex® Fusion 6C (STRmix v2.6.1)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	N/A
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17	N/A	
V2E9LT	Investigator® 24plex QS (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
VB4Y7Z	PowerPlex® Fusion 6C (STRmix v2.8.0)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
VBYPH82	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

VCER8U	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
VGBE34	PowerPlex® Fusion 6C (STRMix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17,18		
VHJQK6	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
VMGY3T	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
VNBTPP	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
VP7CRR	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
VPJWB2	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

VQXDVU	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
VTJ982	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
VW86Q8	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
W6CXTT	GlobalFiler™ (STRmix v2.5)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
W9EV4K	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
WHEFFL	Identifiler® Plus					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
WQ8DX2	GlobalFiler™ (STRmix v2.6.3)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

WQUC4T	GlobalFiler™ (STRMIX)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
WU749Z	PowerPlex® Fusion 6C (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
WUUX36	GlobalFiler™ (STRmix v2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
WVPF68	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
WWCPWZ	PowerPlex® Fusion 6C (STRMIX 2.8)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
WZ3LVR	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
X8DYWG	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

XGLVCM	GlobalFiler™ (STRmix)					
	15,15.2,16,16.3,17,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12	
3	7,8,9,10,11	9,10,11,12,13	13,14,15,16,17	16,17,18,19,21,22	9,10,11,12,13	8,9,10,11,12,13
	13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	10,11,12,15,16,17	X,Y	9,10,11,12
	17,18,19,21,22,23			12,12.2,13,19,19.2,20,27.2,28,28.2	7,8,9,9.3	7,8,10,11
	13,14,15,16,17	9,10,11			2	
XHWBCZ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
XKYRRW	PowerPlex® Fusion 6C (STRmix v2.8.0)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
XLUFXY	Identifiler® Plus (STRmix v2.10.0)					
		16,19,20,24		14,16,18	9,11,12	
3	8,9,11	10,11,12,13			10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23				7,8,9,9.3	8,11
	14,16,17					
XNKN29	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	15,17		
XNZFZD	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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 3 - STR Results

XNZHPH	GlobalFiler™					
		16,[17.3]	16,19,20,24	10,11,[14]	[14],16,[18]	[9],11,[12]
	3	[8],[9],11	10,11,12,13	[14],[15],16	[17],[19],22	10,11,12,13 9,11,13
		14,[18],[19]	13,14	28,29,32.2,36	[11],12,16	X,Y 10,11,[12]
		18,19,22,23			[13],20,[28.2]	7,8,9,9.3 8,[11]
	[14],[16],17	10,11			2	
Y23LYV	PowerPlex® Fusion 6C (STRmix v2.8)					
		16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12
	3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13 9,11,13
		14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y 10,11,12
		18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3 8,11
	14,16,17	10,11	18	15,17		
Y3CNMF	GlobalFiler™ (STRmix)					
		16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12
	3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13 9,11,13
		14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y 10,11,12
		18,19,22,23			13,20,28.2	7,8,9,9.3 8,11
	14,16,17	10,11			2	
Y7CYHF	GlobalFiler™ (STRmix)					
		16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12
	3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13 9,11,13
		14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y 10,11,12
		18,19,22,23			13,20,28.2	7,8,9,9.3 8,11
	14,16,17	10,11			2	
Y9KGUD	GlobalFiler™ (STRmix 2.8)					
		15,16,16.3,17.3	15,16,18,19,20,23,24	9,10,11,13,14	13,14,15,16,17,18	8,9,10,11,12
	3	7,8,9,10,11	9,10,11,12,13	13,14,15,16	16,17,18,19,21,22	9,10,11,12,13,14 8,9,10,11,12,13
		13,14,17,18,19	12,13,14	27,28,29,31.2,32.2,35,36	11,12,15,16,17	X,Y 9,10,11,12
		17,18,19,21,22,23			12,28.2,12.2,13,19,19.2,20,21,27.2,28	6,7,8,8.3,9,9.3 7,8,10,11
	14,15,16,17	9,10,11			2	
YGZNLV	Investigator® 24plex (STRmix)					
		16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12
	3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13 9,11,13
		14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y 10,11,12
		18,19,22,23			13,20,28.2	7,8,9,9.3 8,11
	14,16,17	10,11				

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 3 - STR Results

YNWPHE	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
YRHAMJ	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
YUJ6YE	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
YYF2TR	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
ZB6F9E	GlobalFiler™					
	16,[17.3]	16,19,20,[24]	[10],11,[14]	[14],16,[18]	[9],11,[12]	
3	8,9,11	10,11,12,13	[14],[15],16	[17],[19],22	10,11,12,13	9,11,13
	14,[18],[19]	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,[12]
	18,19,22,[23]			[13],20,[28.2]	7,8,9,9.3	8,[11]
	[14],[16],17	10,11			2	
ZF3TGX	PowerPlex® 21 (STRmix V2.8.0)					
	14,16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13,16		15,17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14,17	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					
ZH73DF	PowerPlex® Fusion 6C					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11^,12^,16	X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	18	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 3 - STR Results

ZJFAF9	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ZJLRUT	Investigator® 24plex QS (STRmix V2.4.06)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
ZNV6CR	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ZP6Y8Q	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
ZQZTVM	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	NT
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23	NT	NT	13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11	NT	NT	2	
ZRJWUG	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ZTM8JX	PowerPlex® 21 (STRmix 2.8.0)					
	16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13		17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					

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

ZTNMXD	GlobalFiler™ (STRmix)					
	16,[17.3]	16,19,20,24	[10],11,[14]	[14],16,[18]	[9],11,[12]	
3	[8],[9],11	10,11,12,13	[14],15,16	[17],[19],22	10,11,12,13	[9],11,[13]
	14,[18],[19]	13,14	28,29,32.2,36	11,[12],16	X,Y	10,11,[12]
	18,19,22,23			[13],20,[28.2]	7,8,9,9.3	8,[11]
	[14],[16],17	10,11			2	
ZW8B4N	Investigator® 24plex (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11				
ZWRFTW	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ZXH2GY	GlobalFiler™ (STRmix)					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	10,11			2	
ZXMJFX	PowerPlex® 21 (STRmix 2.8)					
	16,17.3	16,19,20,24		14,16,18	9,11,12	10,12,18,19
3	8,9,11	10,11,12,13		17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36		X,Y	10,11,12
	18,19,22,23	2.2,9,12,14	8,12,13		7,8,9,9.3	8,11
	14,16,17					
ZZPGQP	PowerPlex® Fusion 6C (STRmix)					
	16,[17.3]	16,19,20,24	10,11,[14]	[14],16,[18]	9,11,[12]	
3	[8],[9],11	10,11,12,13	14,15,16	[17],19,22	10,11,12,13	9,11,13
	14,18,[19]	13,14	28,29,32.2,36	[11],[12],16	X,Y	10,11,12
	18,19,22,[23]	2.2,9,12,14	8,[12],13	13,20,28.2	7,8,9,9.3	8,[11]
	14,16,17	10,11	18	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 3e - STR Results

KN6GKC	GlobalFiler™					
	16,17.3	16,19,20,24	10,11,14	14,16,18	9,11,12	
3e	8,9,11	10,11,12,13	14,15,16	17,19,22	10,11,12,13	9,11,13
	14,18,19	13,14	28,29,32.2,36	11,12,16	X,Y	10,11,12
	18,19,22,23			13,20,28.2	7,8,9,9.3	8,11
	14,16,17	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

KN6GKC	GlobalFiler™					
	NR	16	NR	NR	NR	
3sp	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR	NR	NR
	NR			NR	NR	NR
	NR	NR			NR	

TABLE 2

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

Item 4 - STR Results

24Z4PM	Investigator® 24plex (STRMix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
282AL2	GlobalFiler™ (STRmix x2.4.06)					
	16,16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8,8
	14,16	10	NT	NT	2	
288AGF	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
29T6TM	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
2B2KH2	GlobalFiler™ (STRmix v. 2.8)					
	16,16	16,24	11,14	14,18	9,12	NR
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	NR	NR	13,28.2	7,8	8,8
	14,16	10	NR	NR	2	
2CFGUD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
2JCEGF	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 4 - STR Results

2MGZDT	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
2PMJHG	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
2W9EJK	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,35,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
2XD2WP	PowerPlex® Fusion 6C (STRmix v2.6)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
2XTCKV	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
2ZJ4M9	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
38FTQB	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

3A7UUE	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
3ALLXC	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
3BX23H	GlobalFiler™ (STRmix)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	9,11,12	
4	8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,33.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28,28.2	7,8	8
	14,15,16	10			2	
3FAXHR	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
3FV28Z	GlobalFiler™ (STRmix)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28,28.2	6,7,8	7,8
	13,14,15,16	10			2	
3FVCAB	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

3HJW4L	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3JA9DR	PowerPlex® Fusion 6C (STRMix v2.8.0)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
3R4K4A	GlobalFiler™ (STRmix v2.8)					
	15,15,2,16,17	15,16,23,24	10,11,13,14,15	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31,2,32,2,35,36	14,15,16,17	X,Y	10,11,12
	18,19,22,23,24			12,12,2,13,26,2,27,2,28,28,2,29,2	6,7,8	7,8
	13,14,15,16	9,10			2	
3R4MTD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
3RAEJF	GlobalFiler™ (STRMIX)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
3Y4M3K	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
3ZY74M	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

42P3YT	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
436V3P	Investigator® 24plex QS (STRMix 2.4)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
43L97R	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
47YNK6	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
4BFAQC	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4DJJNU	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4HFQ2H	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	

TABLE 2

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

Item 4 - STR Results

4JAWLC	GlobalFiler™ (STRmix 2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4K4CND	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4K4GBX	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4N4VZ8	GlobalFiler™ (STRmix 2.8)					
	14,15,15.2,16,17	15,16,22,23,24	10,11,12,13,14	13,14,17,18	8,9,10,11,12,13	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	14,15,16,17	X,Y	10,11,12
	18,19,20,21,22,23			12,12.2,13,27.2,28,28.2	6,7,8	7,8
	13,14,15,16	9,10			2	
4PB9G9	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
4XQDMT	Identifiler® Plus, MiniFiler					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
4Y2EBD	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

67U2PP	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
69YQUJ	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
6C6EPW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
6DV7N2	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
6EA8GA	GlobalFiler™ (STRmix v2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
6K2VAF	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6KCQPR	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

6M4P3Q	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6NERPP	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
6NWN6V	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
6RXRWH	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
6TB8KR	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
6TQNJQ	Identifiler® Plus (STRmix 2.10.0)					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
6VXVWR	PowerPlex® Fusion 6C (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

6X8QQW	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
6ZCJGN	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
73CXHK	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
748GKL	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
76H7GQ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
7ERF74	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
7H6TVB	Identifiler®					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 4 - STR Results

7JD3LM	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
7KR8JK	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
7NEYEN	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
7T4NT7	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
7W3ZP7	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
7W6Z38	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
7XJ6BB	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

7Z7TMB	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
7ZPJUA	PowerPlex® Fusion 5C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13		7,8	8
	14,16	10				
86F3YD	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
886B2M	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
88LRWF	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8A8B3K	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8P2ZXG	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

8T4WLQ	GlobalFiler™ (STRmix v.2.9.1)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8TJZBC	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8TMK3K	GlobalFiler™, MiniFiler					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
8XB24W	PowerPlex® 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
928HZ4	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
94FZC2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
96BJE3	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

98HYMU	GlobalFiler™ (STRmix v2.8)					
	14,15,15.2,16,17	15,16,23,24	10,11,13,14	13,14,17,18	8,9,10,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	14,15,16,17	X,Y	10,11,12
	18,19,22,23			11,12,12.2,13,27.2,28.2,29.2	6,7,8	7,8
	13,14,15,16	10			2	
9BZG3B	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
9CQUCG	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
9D9UJD	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
9GQWQH	PowerPlex® Fusion 6C (STRmix 2.6.2)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
9JTWKN	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
9KMR26						
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

9M9C79	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
9QFHWF	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
A3KYNP	PowerPlex® Fusion 6C (STRmix v2.9)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
A3YW69	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
A3ZVFN	GlobalFiler™ (STRmix version 2.6.3)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
A67JTT	GlobalFiler™ (STRmix v2.8)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31,2,32,2,35,36	15,16,17	X,Y	10,11,12
	18,19,20,22,23			12,12.2,13,27,2,28,28.2	6,7,8	7,8
	14,15,16	10			2	
A722VU	GlobalFiler™ (STRmix 2.8.0)					
	16,16	16,24	11,14	14,18	9,12	Not tested
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	Not tested	Not tested	13,28.2	7,8	8,8
	14,16	10	Not tested	Not tested	2	

TABLE 2

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

Item 4 - STR Results

AD2LV6	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
AEW4W7	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
AGJ8YQ	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
AQL2Y4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ATDKYM	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
AVGVW6	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
B6MMUJ	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 4 - STR Results

B7W6ZP	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
BBAJCE	Investigator® 24plex (STRmix V2.4.06)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
BCNUFD	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
BDE8PJ	PowerPlex® Fusion 6C (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
BEQMJK	PowerPlex® Fusion 6C (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
BFMBPM	PowerPlex® 21					
	16,16	16,24		14,18	9,12	12,19
4	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
BHQHYL	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

BJJWGP	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
BJMB2D	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
BJNEFN	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
BLPUVL	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
BNXEWL	Investigator® 24plex (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
BQ6U6C	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
BW9NDM	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

BYFWQD	GlobalFiler™ (STRMix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
C8QTQ6	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
C93BAA	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
CGCYM9	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
CRCACH	Investigator® 24plex QS (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
CT8YAK	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
CWK2WF	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

D6Z9NZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
DATV7	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DBJ9QB	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
DCEQRD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DD868X	GlobalFiler™ (STRmix v2.5.11)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
DMF3BL	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
DPJAKK	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

DQUC8J	PowerPlex® Fusion 6C, GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15	2	
DQY7VC	Investigator® 24plex (STRMIX)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
DYQAUL	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
DZN6CA	GlobalFiler™ (STRmix v2.8)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
DZYY2H	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
E2U6DP	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
E4DGPZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

E7L4AC	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
EEKCC4	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EJDLAB	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ELJ844	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EM9F8D	GlobalFiler™, MiniFiler					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EMUM3G	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
EN6VF4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

ETJDUY	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EUB242	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EUC7PH	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
EV7364	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
EV9UWK	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
EXC37J	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
F3YPL3	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 4 - STR Results

F4DDK9	Investigator® 24plex (STRMIX)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10				
F9MWYN	GlobalFiler™ (STRmix v 2.8.0)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	
FCPHL7	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28,2	7,8	8
	14,16	10	NT	NT	2	
FDGTLU	GlobalFiler™ (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	
FEERPF	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10				
FHEZYG	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
FMRHED	Investigator® 24plex QS (STRmix v2.4)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 4 - STR Results

FWWQUD	Investigator® 24plex QS (STRmix V2.4)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
G4CTG7	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
G4M64W	GlobalFiler™ (STRMix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
GAFMPF	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
GBDZ3Z	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
GCLUML	GlobalFiler™ (STRmix 2.4.06)					
	16,16	16,24	11,14	14,18	9,12	-
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	-	-	13,28.2	7,8	8,8
	14,16	10	-	-	2	
GEAPH8	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

GHVTGZ	GlobalFiler™						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23			13,28.2	7,8	8
	14,16	10			2		
GL8V3V	GlobalFiler™						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23			13,28.2	7,8	8
	14,16	10			2		
GPB3V2	GlobalFiler™						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23			13,28.2	7,8	8
	14,16	10			2		
GRJ8EG	PowerPlex® 21						
	16,16	16,24		14,18	9,12	12,19	
	4	8,11	11,12	17,19	10,12	11,11	
		18,19	13,14	32,2,36		X,Y	11,12
		19,23	9,14	12,13		7,8	8,8
	14,16						
GRVWPG	PowerPlex® Fusion 6C						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15			
GTTG38	GlobalFiler™ (STRmix)						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23			13,28.2	7,8	8
	14,16	10			2		
GU3BY8	Investigator® 24plex (STRmix)						
	16	16,24	11,14	14,18	9,12		
	4	8,11	11,12	14,15	17,19	10,12	11
		18,19	13,14	32,2,36	16	X,Y	11,12
		19,23			13,28.2	7,8	8
	14,16	10					

TABLE 2

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

Item 4 - STR Results

H6GMPB	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H7XAGK	GlobalFiler™ (STRmix v2.4.06)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H7XTCF	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
H92L9Y	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HARUB9	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HBNAJZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HENF3C	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 4 - STR Results

HFXX9H	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
HJMPFY	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HK9KR7	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
HNWWTW	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
HPLT9X	GlobalFiler™ (STRmix v2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
HVR3JC	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
HW973B	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				

TABLE 2

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

Item 4 - STR Results

J4KU6C	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
J8JDMW	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
JARNEU	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JBK324	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
JFVR8D	GlobalFiler™ (Lab Retriever)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JJGCCH	PowerPlex® 5C					
	16	16,24	11,14	14,18	9,12	--
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	--	7,8	8
	14,16	10	--	--	--	
JKRDYG	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

JMFRMQ	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
JRAYC8	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
K2R2AT	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
KA4KMK	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KDL46T	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KHG26Y	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KMWRCE	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

KN6GKC	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KQB837	GlobalFiler™ (STRMIX)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
KUD3QF	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
KVMRWR	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
KY8WP3	GlobalFiler™ (STRmix V 2.8)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
L4ZLJE	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
L7ZUL4	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

L9NBXW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LAKTVR	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LC9R3H	GlobalFiler™ (STRMIX)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LCMLTW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LHC9HB	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
LLHKQX	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LMD3TY	GlobalFiler™ (STRmix 2.8)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28,28.2	7,8	8
	13,14,15,16	9,10			2	

TABLE 2

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

Item 4 - STR Results

LPDDH8	Investigator® 24plex QS (STRmix V2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
LQPZ99	PowerPlex® Fusion 6C (STRmix 2.8.0)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
LTH2G	GlobalFiler™ (STRmix v 2.8.0)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
LWTQ8C	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
LY3GW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
LZU8M9	PowerPlex® Fusion 6C (STRmix v. 2.8)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
M22CUN	GlobalFiler™ (STRmix 2.8)					
	14,15,15.2,16,17	15,16,23,24	10,11,12,13,14	13,14,17,18	8,9,10,11,12,13	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	14,15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,26.2,27.2,28,28.2,29.2	6,7,8	7,8
	13,14,15,16	9,10			2	

TABLE 2

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

Item 4 - STR Results

M22EJT	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
M7JXZV	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
M7XLY2	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
M8ABA2	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
MC9EAZ	GlobalFiler™ (STRmix v2.6)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
MGDKGQ	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
MKEWQR	GlobalFiler™ (STRmix v2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

MNJYM2	Investigator® 24plex (STRMix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
MU43KW	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
MU6GVQ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
MVD6F3	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
MZVCR9	GlobalFiler™ Express					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
N47RV7	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
N62E44	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				

TABLE 2

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

Item 4 - STR Results

N6D9LN	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
N9ZTQT	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
NE6MT2	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
NEAEUC	GlobalFiler™ (GeneMapper ID-X 1.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
NKXHWU	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
NLNQZ4	GlobalFiler™, MiniFiler (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
NMK79U	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

NP7HWL	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
NQ3ZXM	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
NWMYQF	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
P2ZQ7T	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
P4KKZ9	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
P7BYB4	Investigator® 24plex QS					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
PAPE3G	PowerPlex® Fusion 6C (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

PB4UEW	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
PDMXYM	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
PG9CFP	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
PH77BT	GlobalFiler™ (Popstats)					
	16,16	16,24	11,14	14,18	9,12	-
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	-	-	13,28.2	7,8	8,8
	14,16	10	-	-	2	
PL37FC	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
PYCPCL	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
PZ3BX3	GlobalFiler™, MiniFiler					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

Q746BU	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
Q8Y3NQ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QA4VKA	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
QCBKR6	PowerPlex® Fusion 6C (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
QG9X3A	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
QHXXML	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QN3APQ	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 4 - STR Results

QPD6D4	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
QQVYGY	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
QZHUHY	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R3JKXD	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
R6NMUP	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R7ZEM7	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
R8BM4Y	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

R9CF4R	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
RF7W3V	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
RG2BY2	Investigator® 24plex Q/S (STRmix V2.4.06)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
RHCJX9	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
RPYXWT	GlobalFiler™ (STRmix)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	15,17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28.2,29.2	7,8	8
	13,14,15,16	9,10			2	
RTBUB3	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
RU6UD8	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

T29TPW	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
T4C6BJ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
T4TW9M	PowerPlex® Fusion 5C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13		7,8	8
	14,16	10				
T8WH98	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
T9ZGWK	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
TDUG9U	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
TT7KP3	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

TTQLQ6	PowerPlex® (STRmix V2.8)					
	16,16	16,24		14,18	9,12	12,19
4	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
U22AXC	Investigator® 24plex QS					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
U7GKC2	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
UBLNUM	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
UD93HW	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
UFKQ9N	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
UL9BEP	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

UMXFDA	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10			2	
UP4B4K	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10			2	
UTAMBL	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10			2	
UXVUHT	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28,2	7,8	8
	14,16	10				
UYDNH3	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	N/A
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28,2	7,8	8
	14,16	10	18	15	N/A	
V2E9LT	Investigator® 24plex QS (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28,2	7,8	8,8
	14,16	10				
VB4Y7Z	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28,2	7,8	8,8
	14,16	10	18	15		

TABLE 2

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

Item 4 - STR Results

VBXH82	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VCER8U	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
VGBE34	PowerPlex® Fusion 6C (STRMix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VHJQK6	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VMGY3T	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
VNBTPP	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
VP7CRR	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	

TABLE 2

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

Item 4 - STR Results

VPJWB2	PowerPlex® Fusion 6C (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VQXDVU	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
VTJ982	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
VW86Q8	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
W6CXTT	GlobalFiler™ (STRmix v2.5)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
W9EV4K	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WHEFFL	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					

TABLE 2

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

Item 4 - STR Results

WQ8DX2	GlobalFiler™ (STRmix v2.6.3)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WQUC4T	GlobalFiler™ (STRMIX)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
WU749Z	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
WUUX36	GlobalFiler™ (STRmix v2.8)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
WVPF68	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
WWCPWZ	PowerPlex® Fusion 6C (STRMIX 2.8)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
WZ3LVR	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

X8DYWG	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
XGLVCM	GlobalFiler™ (STRmix)					
	15,15.2,16,17	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28,28.2	7,8	7,8
	13,14,15,16	9,10			2	
XHWBCZ	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
XKYRRW	PowerPlex® Fusion 6C (STRmix v2.8.0)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
XLUFXY	Identifiler® Plus					
		16,24		14,18	9,12	
4	8,11	11,12			10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23				7,8	8,8
	14,16					
XNKN29	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
XNZFZD	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

XNZHPH	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
Y23LYV	PowerPlex® Fusion 6C					
	16,16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8,8
	14,16	10	18	15		
Y3CNMF	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		
Y7CYHF	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		
Y9KGUD	GlobalFiler™ (STRmix 2.8)					
	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,27.2,28,28.2	6,7,8	8
	13,14,15,16	9,10		2		
YGZNLV	Investigator® 24plex (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32.2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
YNWPHE	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10		2		

TABLE 2

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

Item 4 - STR Results

YRHAMJ	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
YUJ6YE	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
YYF2TR	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
ZB6F9E	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	
ZF3TGX	PowerPlex® 21 (STRmix 2.8.0)					
	16,16	16,24		14,18	9,12	12,19
4	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
ZH73DF	PowerPlex® Fusion 6C					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		
ZJFAF9	GlobalFiler™					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

ZJLRUT	Investigator® 24plex QS (STRmix V2.4.06)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
ZNV6CR	GlobalFiler™, MiniFiler (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZP6Y8Q	Investigator® 24plex					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10				
ZQZTVM	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	NT
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	33,2,36	16	X,Y	11,12
	19,23	NT	NT	13,28.2	7,8	8
	14,16	10	NT	NT	2	
ZRJWUG	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32,2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZTM8JX	PowerPlex® 21 (STRmix 2.8.0)					
	16,16	16,24		14,18	9,12	12,19
4	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32,2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
ZTNMXD	GlobalFiler™ (STRmix)					
	16,16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11,11
	18,19	13,14	32,2,36	16,16	X,Y	11,12
	19,23			13,28.2	7,8	8,8
	14,16	10			2	

TABLE 2

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

Item 4 - STR Results

ZW8B4N	Investigator® 24plex (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10				
ZWRFTW	GlobalFiler™					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZXH2GY	GlobalFiler™ (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23			13,28.2	7,8	8
	14,16	10			2	
ZXMJFX	PowerPlex® 21 (STRmix 2.8)					
	16,16	16,24		14,18	9,12	12,19
4	8,11	11,12		17,19	10,12	11,11
	18,19	13,14	32.2,36		X,Y	11,12
	19,23	9,14	12,13		7,8	8,8
	14,16					
ZZPGQP	PowerPlex® Fusion 6C (STRmix)					
	16	16,24	11,14	14,18	9,12	
4	8,11	11,12	14,15	17,19	10,12	11
	18,19	13,14	32.2,36	16	X,Y	11,12
	19,23	9,14	12,13	13,28.2	7,8	8
	14,16	10	18	15		

TABLE 2

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

Item 4e - STR Results

	GlobalFiler™ (STRmix)					
62LL9E	15,16	15,16,23,24	10,11,13,14	13,14,17,18	8,9,11,12	
4e	7,8,10,11	10,11,12	13,14,15	16,17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16,17	X,Y	10,11,12
	18,19,22,23			12,12.2,13,14,27.2,28,28.2	7,8	8
	13,14,15,16	9,10			2	

TABLE 2

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

Item 4sp - STR Results

62LL9E	GlobalFiler™ (STRmix)					
	15,16	16,24	10,11,14	14,17,18	9,11,12	
4sp	8,11	10,11,12	13,14,15	17,18,19	9,10,11,12	10,11
	17,18,19	12,13,14	31.2,32.2,35,36	15,16	X,Y	10,11,12
	18,19,22,23			13,27.2,28.2	7,8	8
	13,14,16	10			2	

YSTR Amplification Kit(s) & Results

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
24Z4PM	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
282AL2	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11	NT	18	15	22	22	NT	12
2XTCKV	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
3FV28Z	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
3FVCAB	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
436V3P	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
47YNK6	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4DJJNU	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4JAWLC	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4K4CND	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4KFGBX	Yfiler™								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 1 - YSTR Results

4XQDMT	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
69YQUJ	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6EA8GA	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
6KCQPR	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6NERPP	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6TQNJQ	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
76H7GQ	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7KR8JK	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7L6U2Z	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7W3ZP7	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7Z7TMB	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
8TJZBC	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 1 - YSTR Results

8XB24W	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
928HZ4	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
92DMKM	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
9BZG3B	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
9JTWKN	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	22	
A3YW69	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AD2LV6	Yfiler™								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
						22		12	
AEW4W7	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AQL2Y4	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AVGVW6	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
BFMBPM	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
BHQHYL	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	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 1 - YSTR Results

BJMB2D	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
BLPUVL	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
BW9NDM	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
CT8YAK	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
DQUC8J	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
DYQAUL	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
E4DGPZ	Yfiler™								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
						22		12	
EMUM3G	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
EN6VF4	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ETJDUY	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
GHVTGZ	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
GPB3V2	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 1 - YSTR Results

GRWPG	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
HBNAJZ	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
HPLT9X	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
J2X7TC	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
JJGCH	PowerPlex® Y 23								
1	--	14	14,15	12	29	24	10	11	12
	15	9	13	21	--	17	17	--	22
	--	11	13	18	15	--	22	10	12
K2R2AT	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
KA4KMK	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
KDL46T	Yfiler™								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
						22		12	
KHG26Y	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
KN6GKC	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
L9NBXW	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
L9QXEB	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	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 1 - YSTR Results

LC9R3H	Yfiler™								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
LCMLTW	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
LHC9HB	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
LM4F34	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
LQPZ99	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
LZU8M9	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
M2KLVH	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
MDV3LZ	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
NEAEUC	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
NMK79U	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
P2ZQ7T	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
PAPE3G	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 1 - YSTR Results

PB4UEW	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
PG9CFP	Yfiler™								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17			
						22		12	
PH77BT	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11	-	18	15	22	22	-	12
PL37FC	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
Q746BU	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
QA4VKA	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
QHXXML	Yfiler™								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17			
						22		12	
QZEGQW	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
R7ZEM7	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
R8BM4Y	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
R9CF4R	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
T9ZGWK	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 1 - YSTR Results									
UD93HW	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VB4Y7Z	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VHJQK6	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
VMGY3T	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VV86Q8	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
WWQTKT	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
WWCPWZ	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
X8DYWG	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
XHWBCZ	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
XLUFXY	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
Y23LYV	PowerPlex® Y 23								
1	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
Y3CNMF	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 1 - YSTR Results

YNWPHE	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
YRHAMJ	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ZJLRUT	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
ZRJWUG	Yfiler™ Plus								
1	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ZWRFTW	PowerPlex® Y 23								
1		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12

TABLE 3

WebCode		Amplification Kit							
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 2 - YSTR Results									
24Z4PM	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
282AL2	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11	NT	18	17	19	23	NT	11
2XTCKV	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
3FV28Z	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
3FVCAB	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
436V3P	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
47YNK6	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
4DJJNU	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
4JAWLC	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
4K4CND	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
4KFGBX	Yfiler™								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
4XQDMT	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11

TABLE 3

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

Item 2 - YSTR Results

69YQUJ	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
6EA8GA	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
6KCQPR	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
6NERPP	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
6TQNJQ	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
76H7GQ	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
7KR8JK	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
7L6U2Z	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
7W3ZP7	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
7Z7TMB	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
8TJZBC	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
8XB24W	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	

TABLE 3

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

Item 2 - YSTR Results

928HZ4	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
92DMKM	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
9BZG3B	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
9JTWKN	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
A3YW69	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
AD2LV6	Yfiler™								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17			
						23		11	
AEW4W7	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
AQL2Y4	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
AVGVW6	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
BFMBPM	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
BHQHYL	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
BJMB2D	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	

TABLE 3

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

Item 2 - YSTR Results

BLPUVL	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
BW9NDM	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
CT8YAK	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
DQUC8J	Yfiler™ Plus, PowerPlex® Y 23								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11	12	18	17	19	23	14	11
DYQAUL	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
E4DGPZ	Yfiler™								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17			
						23		11	
EMUM3G	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
EN6VF4	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
ETJDUY	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
GHVTGZ	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
GPB3V2	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
GRVWPG	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	

TABLE 3

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

Item 2 - YSTR Results

HBNAJZ	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
HPLT9X	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
J2X7TC	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
JJGCCH	PowerPlex® Y 23								
2	--	15	16,17	13	31	21	11	11	13
	14	10	12	21	--	15	17	--	23
	--	11	12	18	17	--	23	14	11
K2R2AT	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
KA4KMK	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
KDL46T	Yfiler™								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
							23		11
KHG26Y	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
KN6GKC	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
L9NBXW	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
L9QXEB	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
LC9R3H	Yfiler™								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11

TABLE 3

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

Item 2 - YSTR Results

LCMLTW	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
LHC9HB	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
LM4F34	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
LQPZ99	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
LZU8M9	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
M2KLVH	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
MDV3LZ	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
NEAEUC	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
NMK79U	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
P2ZQ7T	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
PAPE3G	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
PB4UEW	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11

TABLE 3

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

Item 2 - YSTR Results

PG9CFP	Yfiler™								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	11	
PH77BT	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11	-	18	17	19	23	-	11
PL37FC	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	23	
		11	12	18	17	23	14	11	
Q746BU	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	23	
		11	12	18	17	23	14	11	
QA4VKA	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
QHXXML	Yfiler™								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	11	
QZEGQW	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	23	
		11	12	18	17	23	14	11	
R7ZEM7	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
R8BM4Y	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
R9CF4R	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
T9ZGWK	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
UD93HW	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17	23	23	
		11	12	18	17	23	14	11	

TABLE 3

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

Item 2 - YSTR Results

VB4Y7Z	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	12	21		15	17		23	
	11	12	18	17		23	14	11	
VHJQK6	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
VMGY3T	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
VW86Q8	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
VWQTKT	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
WWCPWZ	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
X8DYWG	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
XHWBCZ	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
XLUFXY	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
Y23LYV	PowerPlex® Y 23								
2	15	16,17	13	31	21	11	11	13	
	14	10	12	21	15	17		23	
	11	12	18	17		23	14	11	
Y3CNMF	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
YNWPHE	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11

TABLE 3

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

Item 2 - YSTR Results

YRHAMJ	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
ZJLRUT	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11
ZRJWUG	Yfiler™ Plus								
2	35,40	15	16,17	13	31	21	11	11	13
	14	10	12	21	31	15	17	10	23
	42	11		18	17	19	23		11
ZWRFTW	PowerPlex® Y 23								
2		15	16,17	13	31	21	11	11	13
	14	10	12	21		15	17		23
		11	12	18	17		23	14	11

TABLE 3

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

Item 3 - YSTR Results

24Z4PM	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
282AL2	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	NT	18	15,17	19,22	22,23	NT	11,12
2XTCKV	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
3FV28Z	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
3FVCAB	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
436V3P	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
47YNK6	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
4DJJNU	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	[29],31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
4JAWLC	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
4K4CND	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
4XQDMT	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
69YQUJ	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11,11	12,13	18	15,17	22,23	10,14	11,12	

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

6EA8GA	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
6KCQPR	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
6NERPP	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
6TQNJQ	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
76H7GQ	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
7KR8JK	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
7L6UZZ	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
7W3ZP7	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
7Z7TMB	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
8TJZBC	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
8XB24W	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
928HZ4	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12

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

92DMKM	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
9JTWKN	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
A3YW69	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
AD2LV6	Yfiler™								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	11,12
AEW4W7	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
AQL2Y4	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
AVGVW6	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
BFMBPM	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
BHQHYL	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
BJMB2D	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
BLPUVL	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
BW9NDM	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	

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

CT8YAK	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
DQUC8J	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
DYQAUL	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23			11,12
E4DGPZ	Yfiler™								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	11,12
EMUM3G	PowerPlex® Y 23								
3	14,15	14,15,16	12,13	29,31	21,24	10,11	11	12,13	
	15	9	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	NR	
EN6VF4	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23			11,12
ETJDUY	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
FHEZYG	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23			11,12
GHVTGZ	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
GPB3V2	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23			11,12
GRVWPG	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
HBNAJZ	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23			11,12

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

HPLT9X	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
J2X7TC	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
JJGCH	PowerPlex® Y 23								
3	--	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	--	15,17	17	--	22,23
	--	11	12,13	18	15,17	--	22,23	10,14	11,12
K2R2AT	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
KA4KMK	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
KDL46T	Yfiler™								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		
							22,23		11,12
KHG26Y	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
L9NBXW	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
L9QXEB	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12
LC9R3H	Yfiler™								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
LCMLTW	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
LHC9HB	PowerPlex® Y 23								
3		14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21		15,17	17		22,23
		11	12,13	18	15,17		22,23	10,14	11,12

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									
LM4F34	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
LQPZ99	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
LZU8M9	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
M2KLVH	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
MDV3LZ	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
NEAEUC	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
NMK79U	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
P2ZQ7T	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
PAPE3G	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
PB4UEW	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
PG9CFP	Yfiler™								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
								11,12	
PL37FC	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	

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

Q746BU	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
QA4VKA	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
QHXXML	Yfiler™								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17			
						22,23		11,12	
QZEGQW	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
R7ZEM7	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,(24)	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
R8BM4Y	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
R9CF4R	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
T9ZGWK	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
UD93HW	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	10	12	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
VB4Y7Z	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	
VHJQK6	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11		18	15,17	19,22	22,23		11,12
VMGY3T	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17	22,23	10,14	11,12	

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

W86Q8	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
WWQTKT	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,[15]	9,10	12,[13]	21	15,[17]	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
WWCPWZ	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
X8DYWG	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
XHWBCZ	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
XLUFXY	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
Y23LYV	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
Y3CNMF	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
YNWPHE	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
YRHAMJ	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	
ZJLRUT	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
	11	12,13	18	15,17		22,23	10,14	11,12	
ZRJWUG	Yfiler™ Plus								
3	35,36,39,40	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13
	14,15	9,10	12,13	21	31,32	15,17	17	10,11	22,23
	39,42	11	18	15,17	19,22	22,23		11,12	

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

ZWRFTW	PowerPlex® Y 23								
3	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17		22,23	10,14	11,12

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

KN6GKC	PowerPlex® Y 23								
3e	14,15	14,15,16,17	12,13	29,31	21,24	10,11	11	12,13	
	14,15	9,10	12,13	21	15,17	17		22,23	
		11	12,13	18	15,17		22,23	10,14	11,12

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

KN6GKC	PowerPlex® Y 23								
3sp	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT		NT	NT		NT
		NT	NT	NT	NT		NT	NT	NT

TABLE 3

WebCode	Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-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

24Z4PM	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
282AL2	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11	NT	18	15	22	22	NT	12
2JCEGF	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
2XTCKV	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
3A7UUE	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
3FV28Z	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
3FVCAB	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
436V3P	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
47YNK6	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4DJJNU	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4JAWLC	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4K4CND	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 4 - YSTR Results

4KFG BX	Yfiler™								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
4XQDM T	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
69YQUJ	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6EA8GA	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
6KCQPR	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6NERPP	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
6TQNJQ	Yfiler™								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
76H7GQ	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7H6TVB	Yfiler™								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
7KR8JK	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7L6U2Z	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
7W3ZP7	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12

TABLE 3

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

Item 4 - YSTR Results

7Z7TMB	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
8TJZBC	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
8XB24W	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
928HZ4	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
92DMKM	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
9JTWKN	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
9M9C79	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
A3YW69	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AD2LV6	Yfiler™								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		
							22		12
AEW4W7	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AQL2Y4	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
AVGVW6	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 4 - YSTR Results

BFMBPM	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
BHQHYL	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
BJMB2D	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
BLPUVL	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
BW9NDM	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
CT8YAK	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
DQUC8J	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
DYQAUL	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
E4DGPZ	Yfiler™								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		
							22		12
EMUM3G	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
EN6VF4	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ETJDUY	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12

TABLE 3

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

Item 4 - YSTR Results

F3YPL3	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
FHEZYG	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
GHVTGZ	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
GPB3V2	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
GRWPG	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
HBNAJZ	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
HPLT9X	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
J2X7TC	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
JJGCCH	PowerPlex® Y 23								
4	--	14	14,15	12	29	24	10	11	12
	15	9	13	21	--	17	17	--	22
	--	11	13	18	15	--	22	10	12
K2R2AT	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
KA4KMK	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
KDL46T	Yfiler™								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		
							22		12

TABLE 3

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

Item 4 - YSTR Results

KHG26Y	Yfiler™ Plus									
	4	36,39	14	14,15	12	29	24	10	11	12
		15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22			12
KN6GKC	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
L9NBXW	Yfiler™ Plus									
	4	36,39	14	14,15	12	29	24	10	11	12
		15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22			12
L9QXEB	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
LC9R3H	Yfiler™									
	4	36,39	14	14,15	12	29	24	10	11	12
		15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22			12
LCMLTW	Yfiler™ Plus									
	4	36,39	14	14,15	12	29	24	10	11	12
		15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22			12
LHC9HB	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
LM4F34	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
LQPZ99	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
LZU8M9	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
M2KLVH	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12
MDV3LZ	PowerPlex® Y 23									
	4		14	14,15	12	29	24	10	11	12
		15	9	13	21		17	17		22
		11	13	18	15		22	10		12

TABLE 3

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

Item 4 - YSTR Results

N9ZTQT	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
NEAEUC	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
NMK79U	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
P2ZQ7T	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
PAPE3G	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
PB4UEW	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
PG9CFP	Yfiler™								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		
							22		12
PL37FC	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
Q746BU	PowerPlex® Y 23								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		22
		11	13	18	15		22	10	12
QA4VKA	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
QHXXML	Yfiler™								
4		14	14,15	12	29	24	10	11	12
	15	9	13	21		17	17		
							22		12
QN3APQ	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 4 - YSTR Results

QZEGQW	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
R7ZEM7	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
R8BM4Y	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
R9CF4R	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
T9ZGWK	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
UBLNUM	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
UD93HW	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VB4Y7Z	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VHJQK6	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
VMGY3T	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
VW86Q8	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
WHEFFL	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12

TABLE 3

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

Item 4 - YSTR Results

WWQTKT	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
WWCPWZ	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
X8DYWG	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
XHWBCZ	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
XLUFXY	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
Y23LYV	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
Y3CNMF	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
YNWPHE	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
YRHAMJ	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ZJLRUT	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	
ZRJWUG	Yfiler™ Plus								
4	36,39	14	14,15	12	29	24	10	11	12
	15	9	13	21	32	17	17	11	22
	39	11		18	15	22	22		12
ZWRFTW	PowerPlex® Y 23								
4	14	14,15	12	29	24	10	11	12	
	15	9	13	21	17	17		22	
	11	13	18	15		22	10	12	

Additional DNA Results

TABLE 4

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

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

DNA Interpretations

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

TABLE 5

WebCode	Victim (Item 1)		Suspect (Item 2)		WebCode	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
24Z4PM	Yes	Yes	Yes	No	43L97R	Yes	Yes	Yes	No
282AL2	Yes	Yes	Yes	No	47YNK6	Yes	Yes	Yes	No
288AGF	Yes	Yes	Yes	No	4BFAQC	Yes	Yes	Yes	No
29T6TM	Yes	Yes	Yes	No	4DJJNU	Yes	Yes	Yes	No
2B2KH2	Yes	Yes	Yes	No	4HFQ2H	Yes	Yes	Yes	No
2CFGUD	Yes	Yes	Yes	No	4JAWLC	Yes	Yes	Yes	No
2JCEGF	Yes	Yes	Yes	No	4K4CND	Yes	Yes	Yes	No
2MGZDT	Yes	Yes	Yes	No	4KFGBX	Yes	Yes	Yes	No
2PMJHG	Yes	Yes	Yes	No	4N4VZ8	Yes	Yes	Yes	No
2W9EJK	Yes	Yes	Yes	No	4PB9G9	No Interp	Yes	No Interp	No
2XD2WP	Yes	Yes	Yes	No	4XQDMT	Yes	Yes	Yes	No
2XTCKV	Yes	Yes	Yes	No	4Y2EBD	Yes	Yes	Yes	No
2ZJ4M9	Yes	Yes	Yes	No	62LL9E	Yes	Yes	Yes	No
38FTQB	Yes	Yes	Yes	No	67U2PP	Yes	Yes	Yes	No
3A7UUE	Yes	Yes	Yes	No	69YQUJ	Yes	Yes	Yes	No
3ALLXC	Yes	Yes	Yes	No	6C6EPW	Yes	Yes	Yes	No
3BX23H	Yes	Yes	Yes	No	6DV7N2	Yes	Yes	Yes	No
3FAXHR	Yes	Yes	Yes	No	6EA8GA	Yes	Yes	Yes	No
3FV28Z	Yes	Yes	Yes	No	6K2VAF	Yes	Yes	Yes	No
3FVCAB	Yes	Yes	Yes	No	6KCQPR	Yes	Yes	Yes	No
3HJW4L	Yes	Yes	Yes	No	6M4P3Q	Yes	Yes	Yes	No
3JA9DR	Yes	Yes	Yes	No	6NERPP	Yes	Yes	Yes	No
3R4K4A	Yes	Yes	Yes	No	6NWN6V	Yes	Yes	Yes	No
3R4MTD	Yes	Yes	Yes	No	6RXRWH	Yes	Yes	Yes	No
3RAEJF	Yes	Yes	Yes	No	6TB8KR	Yes	Yes	Yes	No
3UBPAN	No Interpretations Reported, DNA Analyzed for Database purposes only.				6TQNJQ	Yes	Yes	Yes	No
3Y4M3K	Yes	Yes	Yes	No	6UMFKY				
3ZY74M	Yes	Yes	Yes	No	6VXVWR	Yes	Yes	Yes	No
42P3YT	Yes	Yes	Yes	No	6X8QQW	Yes	Yes	Yes	No
436V3P	Yes	Yes	Yes	No	6ZCJGN	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
73CXHK	Yes	Yes	Yes	No	9JTWKN	Yes	Yes	Yes	No
748GKL	Yes	Yes	Yes	No	9KMR26	No Interp	No Interp	No Interp	No Interp
76H7GQ	Yes	Yes	Yes	No	9M9C79	Yes	Yes	Yes	No
7ERF74	Yes	Yes	Yes	No	9QFHWF	Yes	Yes	Yes	No
7H6TVB	Yes	Yes	Yes	No	9XTBRR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7JD3LM	Yes	Yes	Yes	No	A27XUF	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7KR8JK	Yes	Yes	Yes	No	A3KYNP	Yes	Yes	Yes	No
7L6U2Z	Yes	Yes	Yes	No	A3YW69	Yes	Yes	Yes	No
7NEYEN	Yes	Yes	Yes	No	A3ZVFN	Yes	Yes	Yes	No
7T4NT7	Yes	Yes	Yes	No	A67JTT	Yes	Yes	Yes	No
7W3ZP7	Yes	Yes	Yes	No	A722VU	Yes	Yes	Yes	No
7W6Z38	Yes	Yes	Yes	No	AD2LV6	Yes	Yes	Yes	No
7XJ6BB	Yes	Yes	Yes	No	AEW4W7	Yes	Yes	Yes	No
7Z7TMB	Yes	Yes	Yes	No	AGJ8YQ	Yes	Yes	Yes	No
7ZPJUA	Yes	Yes	Yes	No	AQL2Y4	Yes	Yes	Yes	No
86F3YD	Yes	Yes	Yes	No	ATDKYM	Yes	Yes	Yes	No
886B2M	Yes	Yes	Yes	No	AVGVW6	Yes	Yes	Yes	No
88LRWF	Yes	Yes	Yes	No	B6MMUJ	Yes	Yes	Yes	No
8A8B3K	Yes	Yes	Yes	No	B7W6ZP	Yes	Yes	Yes	No
8P2ZXG	Yes	Yes	Yes	No	BBAJCE	Yes	Yes	Yes	No
8T4WLQ	Yes	Yes	Yes	No	BCNUFD	Yes	Yes	Yes	No
8TJZBC	Yes	Yes	Yes	No	BDE8PJ	Yes	Yes	Yes	No
8TMK3K	No Interp	No Interp	No Interp	No Interp	BEQMJK	Yes	Yes	Yes	No
8XB24W	Yes	Yes	Yes	No	BFMBPM	Yes	Yes	Yes	No
928HZ4	Yes	Yes	Yes	No	BHQHYL	Yes	Yes	Yes	No
92DMKM	No Interp	Yes	No Interp	No	BJJWGP	Yes	Yes	Yes	No
94FZC2	Yes	Yes	Yes	No	BJMB2D	Yes	Yes	Yes	No
96BJE3	Yes	Yes	Yes	No	BJNEFN	Yes	Yes	Yes	No
98HYMU	Yes	Yes	Yes	No	BLPUVL	Yes	Yes	Yes	No
9BZG3B	Yes	Yes	Yes	No	BNXEWL	Yes	Yes	Yes	No
9CQUCG	Yes	Yes	Yes	No	BQ6U6C	Yes	Yes	Yes	No
9D9UJD	Yes	Yes	Yes	No					
9GQWQH	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
BTW9F	No Interpretations Reported, DNA Analyzed for Database purposes only.				EUB242	Yes	Yes	Yes	No
BW9NDM	Yes	Yes	Yes	No	EUC7PH	Yes	Yes	Yes	No
BYFWQD	Yes	Yes	Yes	No	EV7364	Yes	Yes	Yes	No
C8QTQ6	Yes	Yes	Yes	No	EV9UWK	Yes	Yes	Yes	No
C93BAA	Yes	Yes	Yes	No	EXC37J	Yes	Yes	Yes	No
CGCYM9	Yes	Yes	Yes	No	F3YPL3	Yes	Yes	Yes	No
CRCACH	Yes	Yes	Yes	No	F4DDK9	Yes	Yes	Yes	No
CT8YAK	Yes	Yes	Yes	No	F9MWYN	Yes	Yes	Yes	No
CWK2WF	Yes	Yes	Yes	No	FCPHL7	Yes	Yes	Yes	No
D6Z9NZ	Yes	Yes	Yes	No	FDGTLU	Yes	Yes	Yes	No
DATVF7	Yes	Yes	Yes	No	FEERPF	Yes	Yes	Yes	No
DBJ9QB	Yes	Yes	Yes	No	FHEZYG	No Interpretations Reported, DNA Analyzed for Database purposes only.			
DCEQRD	Yes	Yes	Yes	No	FMRHED	Yes	Yes	Yes	No
DD868X	Yes	Yes	Yes	No	FWWQUD	Yes	Yes	Yes	No
DMF3BL	Yes	Yes	Yes	No	G4CTG7	Yes	Yes	Yes	No
DPJAKK	Yes	Yes	Yes	No	G4M64W	Yes	Yes	Yes	No
DQUC8J	Yes	Yes	Yes	No	GAFMPF	Yes	Yes	Yes	No
DQY7VC	Yes	Yes	Yes	No	GBDZ3Z	Yes	Yes	Yes	No
DYQAUL	Yes	Yes	Yes	No	GCLUML	Yes	Yes	Yes	No
DZN6CA	Yes	Yes	Yes	No	GEAPH8	Yes	Yes	Yes	No
DZYY2H	Yes	Yes	Yes	No	GHVTGZ	Yes	Yes	Yes	No
E2U6DP	Yes	Yes	Yes	No	GL8V3V	Yes	Yes	Yes	No
E2UVAC	No Interpretations Reported, DNA Analyzed for Database purposes only.				GPB3V2	Yes	Yes	Yes	No
E4DGPZ	Yes	Yes	Yes	No	GRJ8EG	Yes	Yes	Yes	No
E7L4AC	Yes	Yes	Yes	No	GRVWPG	Yes	Yes	Yes	No
EEKKC4	Yes	Yes	Yes	No	GTTG38	Yes	Yes	Yes	No
EJDLAB	Yes	Yes	Yes	No	GU3BY8	Yes	Yes	Yes	No
ELJ844	Yes	Yes	Yes	No	H6GMPB	Yes	Yes	Yes	No
EM9F8D	No Interp	No Interp	No Interp	No Interp	H7XAGK	Yes	Yes	Yes	No
EMUM3G	Yes	Yes	Yes	No	H7XTCF	Yes	Yes	Yes	No
EN6VF4	Yes	Yes	Yes	No	H92L9Y	Yes	Yes	Yes	No
ETJDUY	Yes	Yes	Yes	No	HARUB9	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
HBNAJZ	Yes	Yes	Yes	No	LAKTVR	Yes	Yes	Yes	No
HENF3C	Yes	Yes	Yes	No	LC9R3H	Yes	Yes	Yes	No
HFX9H	No Interp	No Interp	No Interp	No Interp	LCMLTW	Yes	Yes	Yes	No
HJMPFY	Yes	Yes	Yes	No	LHC9HB	Yes	Yes	Yes	No
HK9KR7	Yes	Yes	Yes	No	LLHKQX	Yes	Yes	Yes	No
HNWWTW	Yes	Yes	Yes	No	LM4F34	No Interp	Yes	No Interp	No
HPLT9X	Yes	Yes	Yes	No	LMD3TY	Yes	Yes	Yes	No
HVR3JC	Yes	Yes	Yes	No	LPDDH8	Yes	Yes	Yes	No
HW973B	No Interp	No Interp	No Interp	No Interp	LQPZ99	Yes	Yes	Yes	No
J2X7TC	No Interp	Yes	No Interp	No	LTTH2G	Yes	Yes	Yes	No
J4KU6C	Yes	Yes	Yes	No	LWTQ8C	No Interp	No Interp	No Interp	No Interp
J8JDMW	Yes	Yes	Yes	No	LY3GW	Yes	Yes	Yes	No
JARNEU	Yes	Yes	Yes	No	LZU8M9	Yes	Yes	Yes	No
JBK324	Yes	Yes	Yes	No	M22CUN	Yes	Yes	Yes	No
JFVR8D	Yes	Yes	Yes	No	M22EJT	Yes	Yes	Yes	No
JJGCCH	Yes	Yes	Yes	No	M2KLVH	Yes	Yes	Yes	No
JKRDYG	Yes	Yes	Yes	No	M7JXZV	Yes	Yes	Yes	No
JMFRMQ	Yes	Yes	Yes	No	M7XLY2	Yes	Yes	Yes	No
JRAYC8	No Interp	No Interp	No Interp	No Interp	M8ABA2	Yes	Yes	Yes	No
K2R2AT	Yes	Yes	Yes	No	MC9EAZ	Yes	Yes	Yes	No
KA4KMK	Yes	Yes	Yes	No	MCJL4	No Interpretations Reported, DNA Analyzed for Database purposes only.			
KDL46T	Yes	Yes	Yes	No	MDV3LZ	No Interp	Yes	No Interp	No
KHG26Y	Yes	Yes	Yes	No	MGDKGQ	Yes	Yes	Yes	No
KMWRCE	Yes	Yes	Yes	No	MKEWQR	Yes	Yes	Yes	No
KN6GKC	Yes	Yes	Yes	No	MNJYM2	Yes	Yes	Yes	No
KQB837	Yes	Yes	Yes	No	MU43KW	Yes	Yes	Yes	No
KUD3QF	Yes	Yes	Yes	No	MU6GVQ	Yes	Yes	Yes	No
KVMRWR	Yes	Yes	Yes	No	MVD6F3	Yes	Yes	Yes	No
KY8WP3	Yes	Yes	Yes	No	MZVCR9	Yes	Yes	Yes	No
L4ZLJE	Yes	Yes	Yes	No	N47RV7	Yes	Yes	Yes	No
L7ZUL4	Yes	Yes	Yes	No	N62E44	Yes	Yes	Yes	No
L9NBXW	Yes	Yes	Yes	No	N6D9LN	Yes	Yes	Yes	No
L9QXEB	No Interp	Yes	No Interp	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
N9ZTQT	Yes	Yes	Yes	No	R6NMUP	Yes	Yes	Yes	No
NE6MT2	Yes	Yes	Yes	No	R7ZEM7	No Interp	No Interp	No Interp	No Interp
NEAEUC	Yes	Yes	Yes	No	R8BM4Y	Yes	Yes	Yes	No
NKXHWU	Yes	Yes	Yes	No	R9CF4R	Yes	Yes	Yes	No
NLNQZ4	Yes	Yes	Yes	No	RF7W3V	Yes	Yes	Yes	No
NMK79U	Yes	Yes	Yes	No	RG2BY2	Yes	Yes	Yes	No
NP7HWL	Yes	Yes	Yes	No	RHCJX9	Yes	Yes	Yes	No
NQ3ZXM	Yes	Yes	Yes	No	RPYXWT	Yes	Yes	Yes	No
NWMYQF	Yes	Yes	Yes	No	RTBUB3	Yes	Yes	Yes	No
P2ZQ7T	Yes	Yes	Yes	No	RU6UD8	Yes	Yes	Yes	No
P4KKZ9	Yes	Yes	Yes	No	T29TPW	Yes	Yes	Yes	No
P7BYB4	Yes	Yes	Yes	No	T4C6BJ	Yes	Yes	Yes	No
PAPE3G	Yes	Yes	Yes	No	T4TW9M	Yes	Yes	Yes	No
PB4UEW	Yes	Yes	Yes	No	T8WH98	Yes	Yes	Yes	No
PDMXYM	Yes	Yes	Yes	No	T9ZGWK	Yes	Yes	Yes	No
PG9CFP	Yes	Yes	Yes	No	TDUG9U	Yes	Yes	Yes	No
PH77BT	Yes	Yes	Yes	No	TT7KP3	Yes	Yes	Yes	No
PL37FC	Yes	Yes	Yes	No	TTQLQ6	Yes	Yes	Yes	No
PYCPCL	Yes	Yes	Yes	No	U22AXC	Yes	Yes	Yes	No
PZ3BX3	No Interp	No Interp	No Interp	No Interp	U7GKC2	Yes	Yes	Yes	No
Q746BU	Yes	Yes	Yes	No	UBLNUM	Yes	Yes	Yes	No
Q8Y3NQ	Yes	Yes	Yes	No	UD93HW	Yes	Yes	Yes	No
QA4VKA	Yes	Yes	Yes	No	UFKQ9N	Yes	Yes	Yes	No
QBK8HZ	No Interp	No Interp	No Interp	No Interp	UL9BEP	Yes	Yes	Yes	No
QCBKR6	Yes	Yes	Yes	No	UMXFDA	Yes	Yes	Yes	No
QG9X3A	Yes	Yes	Yes	No	UP4B4K	Yes	Yes	Yes	No
QHXXML	Yes	Yes	Yes	No	UTAMBL	Yes	Yes	Yes	No
QN3APQ	Yes	Yes	Yes	No	UXVUHT	Yes	Yes	Yes	No
QPD6D4	Yes	Yes	Yes	No	UYDNH3	Yes	Yes	Yes	No
QQVYGY	Yes	Yes	Yes	No	V2E9LT	Yes	Yes	Yes	No
QZEGQW	No Interp	Yes	No Interp	No	VB4Y7Z	Yes	Yes	Yes	No
QZHUYH	Yes	Yes	Yes	No	VBYH82	Yes	Yes	Yes	No
R3JKXD	Yes	Yes	Yes	No	VCER8U	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
VGBE34	Yes	Yes	Yes	No	Y9KGUD	Yes	Yes	Yes	No
VHJQK6	Yes	Yes	Yes	No	YGZNLV	Yes	Yes	Yes	No
VMGY3T	Yes	Yes	Yes	No	YNWPHE	Yes	Yes	Yes	No
VNBTPP	Yes	Yes	Yes	No	YRHAMJ	Yes	Yes	Yes	No
VP7CRR	Yes	Yes	Yes	No	YUJ6YE	Yes	Yes	Yes	No
VPJWB2	Yes	Yes	Yes	No	YYF2TR	No Interp	No Interp	No Interp	No Interp
VQXDVU	Yes	Yes	Yes	No	ZB6F9E	Yes	Yes	Yes	No
VTJ982	Yes	Yes	Yes	No	ZF3TGX	Yes	Yes	Yes	No
W86Q8	Yes	Yes	Yes	No	ZH73DF	Yes	Yes	Yes	No
W6CXTT	Yes	Yes	Yes	No	ZJFAF9	Yes	Yes	Yes	No
W9EV4K	Yes	Yes	Yes	No	ZJLRUT	Yes	Yes	Yes	No
WHEFFL	Yes	Yes	Yes	No	ZNV6CR	Yes	Yes	Yes	No
WQ8DX2	Yes	Yes	Yes	No	ZP6Y8Q	Yes	Yes	Yes	No
WQUC4T	Yes	Yes	Yes	No	ZQZTVM	Yes	Yes	Yes	No
WU749Z	Yes	Yes	Yes	No	ZRJWUG	Yes	Yes	Yes	No
WUUX36	Yes	Yes	Yes	No	ZTM8JX	Yes	Yes	Yes	No
WVPF68	Yes	Yes	Yes	No	ZTNMXD	Yes	Yes	Yes	No
WVQTKT	No Interp	Yes	No Interp	No	ZW8B4N	Yes	Yes	Yes	No
WWCPWZ	Yes	Yes	Yes	No	ZWRFTW	Yes	Yes	Yes	No
WZ3LVR	Yes	Yes	Yes	No	ZXH2GY	Yes	Yes	Yes	No
X8DYWG	Yes	Yes	Yes	No	ZXMJFX	Yes	Yes	Yes	No
XGLVCM	Yes	Yes	Yes	No	ZZPGQP	Yes	Yes	Yes	No
XHWBCZ	Yes	Yes	Yes	No					
XKYRRW	Yes	Yes	Yes	No					
XLUFXY	Yes	Yes	Yes	No					
XNKN29	Yes	Yes	Yes	No					
XNZFZD	Yes	Yes	Yes	No					
XNZHPH	Yes	Yes	Yes	No					
Y23LYV	Yes	Yes	Yes	No					
Y3CNMF	Yes	Yes	Yes	No					
Y7CYHF	Yes	Yes	Yes	No					
Y8RB6R	No Interpretations Reported, DNA Analyzed for Database purposes only.								

DNA Interpretation				
Response Summary	Participants reporting DNA results: 373			
<i>Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?</i>				
	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	345	353	345	0
No	0	0	0	353
Inc	0	0	0	0
No Interpretation	19	11	19	11
No Response	1	1	1	1

Participants analyzing DNA for database purposes only: 8

Additional Comments

TABLE 6

WebCode	Additional Comments
282AL2	NT = Locus not tested
2B2KH2	NR = No results
2CFGUD	Presumptive testing detected the possible presence of blood on Items 3 and 4.
2XD2WP	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 propositions: Item 3: 1s2s_2sU, Item 4: 1s_U.
2ZJ4M9	Results reported with stutter filters on.
3FV28Z	For items interpreted with STRmix (Items 3 and 4), reported alleles represent all alleles imported for STRmix interpretation.
3HJW4L	Serological testing and DNA processing completed by qualified examiners.
3R4K4A	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.
3Y4M3K	NT = NOT TESTED. This test only covers STR testing. Samples were extracted according to protocols.
3ZY74M	"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."
4HFQ2H	KM testing was done by qualified Forensic Biologist. Benchwork performed by qualified DNA analyst. Analysis & interpretation performed by reporting analyst. Per lab policy, no YSTR testing on this proficiency test. NT = not tested.
4N4VZ8	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.
4PB9G9	I am not currently qualified to perform mixture interpretation.
4V4AMU	This CTS is for serology testing only.
4XQDMT	The Identifiler Plus and MiniFiler DNA results obtained from items 3 and 4 were concordant for each item. The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from sample 3. The results listed in the CTS report reflect DNA profiles with stutter filters on.
69YQUJ	Did not perform Y23 interpretation. Only performed Y23 amplification and capillary electrophoresis.
6RXRWH	KM testing done by a member of the Forensic Biology Unit. DNA processing done by other members of the DNA unit, GlobalFiler and GlobalFiler Express analysis done by reporting analyst.
6TQNJQ	STRmix 2.10.0 was used to calculate likelihood ratios for the DNA profiling results from item 3 and item 4. Item 3 was a two person mixture of approximately equal proportions. STRmix 2.10.0 was also used, with conditioning on the reference DNA profile from the suspect, to confirm alleles consistent with the victim. The results listed in the CTS report reflect DNA profiles with stutter filters on.
6UMFKY	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.
6ZCJGN	The analytical data came from the Qiagen 24plex amplification kit and the interpretation was completed using GlobalFiler amplification kit data.

TABLE 6

WebCode	Additional Comments
88LRWF	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.
8A8B3K	MiniFiler was also used to amplify item 3. Concordant results were obtained with GlobalFiler and MiniFiler.
8P2ZXG	Since Ex3 is suspect's shirt, Ex2 is an assumed contributor to that profile. This is reflected in the STRmix analysis.
8TMK3K	Data analysis and interpretation are outside the scope of the participant's current qualification and job duties. Data analysis was completed by a qualified DNA analyst prior to upload. No interpretations were performed.
92DMKM	Unable to make comparisons of Item 1 and Item 2 to item 3 due to the [Laboratory] policy for indistinguishable mixtures.
98HYMU	For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation.
9BZG3B	The Y-STRs from the known reference samples were tested and reported for proficiency testing purposes only.
9GQWQH	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 propositions: Item 3: 1s2s_2sU (Conditioned on Item 2 based on case scenario and visual comparison). Item 4: 1s_U. 1s= Item 1. 2s= Item 2.
9QFHWF	NT = Not Tested. A qualified DNA Forensic Science Examiner performed GFE lab processing. The DNA analyst reviewed and interpreted the data.
9XTBRR	No DNA Analysis was performed on Items 3 and 4. Test participant authorized for DNA Analysis on references only.
A67JTT	For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation.
AD2LV6	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 platform. Quantitation: - Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: - Item 1 and Item 2 were amplified using Globalfiler Express kit on ABI Proflex PCR System. - Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR system. - Item 1, Item 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. 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 1, Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results.
AGJ8YQ	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.
ATDKYM	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from sample 3. The results listed in the CTS report reflect DNA profiles with stutter filters on.

TABLE 6

WebCode	Additional Comments
BCNUFD	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.
BEQMJK	Additional peaks (high stutter) observed at D21338 in sample 3.
BJNEFN	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.
BQ6U6C	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.
BYFWQD	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.
CFZBXG	Serology screening performed on item 3 and item 4 only.
CRCACH	Analytical DNA was performed using the QIAGEN 24plex amplification kit. DNA Interpretation was performed using the Globalfiler kit.
CWK2WF	STRmix analysis was conducted on this test.
DMF3BL	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.
E4DGPZ	Extraction: Item 1 and Item 2 were extracted using FTA wash in-situ extraction (for GlobalFiler and Y-Filer PCR amplification). Item 3 and Item 4 was extracted using QIASymphony DNA Investigator Kit on QIASymphony SP System. Quantification: Item 3 and Item 4 extracts were quantified using Quantifiler Trio DNA Quantification kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 FTAs were amplified using GlobalFiler Express PCR kit on ProFlex PCR System. Item 1 and Item 2 FTAs were amplified using AmFISTR Y-Filer PCR kit on 9700 GeneAmp PCR System. Item 3 and Item 4 extracts were amplified using GlobalFiler PCR kit on 9700 GeneAmp PCR System. Item 3 and Item 4 extracts were amplified using AmFISTR Y-Filer PCR kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler and Y-Filer amplicons were carried out on Genetic Analyzer 3500xL for Item 1, Item 2, Item 3 and Item 4. Quality Control: Reagent blanks, positive controls and negative controls were incorporated throughout analysis and all gave intended results.
ECTQ98	Items 1-3 and 1-4 were inconclusive due to a failed control when testing for semenogelin.

TABLE 6

WebCode	Additional Comments
EM9F8D	Data analysis and interpretation are outside the scope of the participant's current qualification and job duties. Data analysis was completed by a qualified DNA analyst prior to upload. No interpretations were performed.
EMUM3G	NR= no results
EV7364	The body fluid screening section was marked as "Not Tested" because this analyst does not conduct body fluid screening on casework.
EV9UWK	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.
FCPHL7	NT = Not Tested
FHEZYG	The probabilistic genotyping software STRmix 2.10.0 was used to resolve the mixed DNA profile obtained from sample 3. The results listed in the CTS report reflect DNA profiles with the stutter filters on. The Y STR results were not used in the interpretation.
G4CTG7	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.
GCLUML	It should be noted that Amel and the male markers are not included in the STRmix interpretation for single source samples or mixtures. Additionally, for mixtures, SE33 and D1S1656 are not included in the STRmix interpretation but are included in the CTS report.
GEAPH8	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.
GRJ8EG	ITEM 3: Two person mixed DNA profile. Suspect- assumed contributor. Victim- LR= >100 billion favouring inclusion. ITEM 4: Single source DNA profile. Suspect- excluded. Victim- LR= >100 billion favouring inclusion.
GTTG38	[Name] performed the Biology portion and [Name] performed the Biology Tech review. [Name] performed the DNA portion and [Name] performed the DNA Tech review.
H6GMPB	STRmix analysis was conducted on this test.
HARUB9	Minifiler™ was also used to amplify item 3. Concordant results were obtained with GlobalFiler™ and Minifiler™ for this item.
HFX9H	This analyst is only authorized to perform Y-screening, blood screening, rapid DNA on reference samples and DNA technician work from digestion through capillary electrophoresis but not authorized to interpret STR data.
J2X7TC	Since Item # 3 was interpreted as an indistinguishable mixture, no comparison was able to be performed based on current laboratory policy.
JBK324	NT = Not Tested

TABLE 6

WebCode	Additional Comments
KDL46T	Extraction : -Item 1 and Item 2 were extracted using in situ method. -Item 3 and Item 4 were extracted using QIA Symphony DNA Investigator Kit via QIA Symphony SP platform. Quantitation : Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuanStudio 5 System. Amplification : -Item 1 and Item 2 were amplified using Globalfiler Express kit on ABI Proflex PCR System. -Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. -Item 1, Item 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer kit on 9700 GeneAmp PCR System. 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 1, Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results.
KHG26Y	The 13 allele reported at D10S1248 for Item 3 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.
KMWRCE	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.
KN6GKC	NR = no result. NT = not tested. Item 3 had a differential extraction due to testing requirements for serologist.
KUD3QF	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.
KY8WP3	GFE exam and processing performed by another qualified analyst, analysis by [Initials]. NT = Not tested.
L4ZLJE	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.
L9NBXW	The '15' allele reported at D2S441 for Item 3 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.
L9QXEB	Since Item 3 was interpreted as an indistinguishable mixture, no comparison was able to be performed based on current laboratory policy.
LLHKQX	The body fluid screening was marked "Not Tested" because this analyst does not conduct body fluid screening on casework.
LM4F34	DNA interpretation based on data produced by another qualified analyst [Participant Code]. The Y-STR profile from item 3 is interpreted as an indistinguishable mixture of at least two individuals. No conclusions will be drawn as to whether victim or suspect could be a contributor to the male DNA profile.
LTTH2G	N/A = Not applicable

TABLE 6

WebCode	Additional Comments
LWTQ8C	Only authorized to perform Y-screening and processing samples as a DNA technician.
M22CUN	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.
M7XLY2	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.
MC9EAZ	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.
MDV3LZ	Since Item 3 was interpreted as an indistinguishable mixture, no comparison was able to be performed based on current laboratory policy.
MGDKGQ	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 in this proficiency test.
MU43KW	Analyst only performs DNA screening for blood and not semen.
MVD6F3	DNA interpretation was based on data produced by another qualified analyst.
NLNQZ4	MiniFiler was also used to amplify item 4. Concordant results were obtained for all loci for GlobalFiler and MiniFiler.
NQ3ZXM	Reporting results with stutter filters on.
P7BYB4	Analytical DNA analysis was completed using the Investigator 24plex QS amplification kit. DNA interpretation was completed using data from the Globalfiler amplification kit.
PG9CFP	Extraction: - Item 1 and Item 2 were extracted using in-situ method. - Item 3 and Item 4 were extracted using DNA Investigator kit on QIASymphony SP automation platform. Quantification: - Item 3 and Item 4 were quantified 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 PCR Amplification kit on Proflex PCR System. - Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification kit on GeneAmp PCR system 9700. - Item 1, Item 2, Item3 and Item 4 were further amplified using AmpFISTR Yfiler PCR Amplification kit on GeneAmp PCR system 9700. Electrophoresis: - Item 1 and Item 2 (GlobalFiler Express) while Item 3 and Item 4 (GlobalFiler) were run on ABI 3500xL Genetic Analyzer. - Item 1, Item 2, Item 3 and Item 4 (Yfiler) were run on ABI 3500xL Genetic Analyzer. Quality Control: - Reagent blank, positive control and negative control were incorporated throughout the analysis and gave satisfactory results.
PZ3BX3	Data analysis and interpretation are outside the scope of the participant's current qualification and job duties. Data analysis was completed by a qualified DNA analyst prior to upload. No interpretations were performed.
QBK8HZ	Modified Rapid DNA analysis conducted on Item 1 and Item 2 using RAPID HIT. Items 3 and 4 not processed, no DNA interpretation conducted.

TABLE 6

WebCode	Additional Comments
QG9X3A	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.
QQVYGY	This test was completed for DNA analysis only. Serology results obtained from [Laboratory] CTS Test 25-5706B. Since Ex.3 is suspect's shirt, Ex.2 can be assumed to be a contributor to the profile obtained from Ex.3. This is reflected in the STRmix analysis.
QZEGQW	Since Item #3 was interpreted as an indistinguishable mixture, no comparison was able to be performed based on current laboratory policy.
R7ZEM7	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians.
RQN7Z3	Screening only.
RU6UD8	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.
T29TPW	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.
T8WH98	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.
T9ZGWK	For Item 3, probabilistic genotyping 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.
UL9BEP	Body fluid screening marked with "Not Tested" was marked as is, because this analyst does not conduct that specific body fluid screening.
UXVUHT	Evidence profiles were interpreted using a probabilistic genotyping approach. STRmix software was used to aid interpretation, which includes biological modelling for forward and reverse stutter. Any allele included in a proposed, weighted genotype combination in the STRmix output was reported in the DNA Results tables [Table 2: STR Amplification Kit(s) & Results] of this form. This approach may result in at least one stutter peak being included in the DNA Results tables [Table 2: STR Amplification Kit(s) & Results].

TABLE 6

WebCode	Additional Comments
VGBE34	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.
VP7CRR	NT = not tested
VQXDVU	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.
VRTVWV	Y-screen processing on items 3 and 4 completed to satisfy QAS standard. Scenario of carjacking with male victim and male suspect would not normally be processed using y-screening.
W6CXTT	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.
WVQTKT	Only Y-STRs were conducted on Items 1 - 4. Autosomal analysis would normally precede Y-STR analysis during routine casework. Item 3 was deemed INC or inclusive because the NC or number of contributors = 2 and there was no clear major haplotype (overall ratio of 3:1 or greater). Due to the complex nature of the DNA mixture, the Y-STR haplotype for Item 3 is unsuitable for comparison and no interpretations were made.
WZ3LVR	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.
XLUFXY	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from Item 3. The results listed in the CTS report reflect DNA profiles with stutter filters on.
Y3CNMF	For Item 3, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report reflect DNA profiles with stutter filters on.
Y7CYHF	For item 3, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report reflect DNA profiles with stutter filters on.
Y9KGUD	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.
YNWPHE	Serology, GlobalFiler, Y-Filer.
ZH73DF	^ indicates peaks below stochastic threshold as per [Laboratory] policy.
ZNV6CR	MiniFiler was also used to amplify item 4, concordant results were obtained with Globalfiler and MiniFiler.
ZQZTVM	NT = not tested. This test is only for STRs. KM testing done by FB analyst. DNA processing done by other DNA analyst.

TABLE 6

WebCode	Additional Comments
ZRJWUG	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.
ZZPGQP	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 propositions: item 3: 1s2s/2sU, item 4: 1s/U.

-End of Report-
(Appendix may follow)

Collaborative Testing Services ~ Forensic Testing Program

Test No. 25-5706: Forensic Biology

DATA MUST BE SUBMITTED BY **Dec. 15, 2025, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: LHEP6A

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:

Officers responded to an attempted carjacking at a local gas station involving two male individuals. The victim stated he was approached from behind by the suspect while standing near his vehicle. The suspect attempted to take the victim's car keys by force, resulting in a physical altercation during which both individuals sustained injuries. The suspect left the area prior to the officers' arrival but was later apprehended. Police are submitting stains from the shirt (Item 3) and pants (Item 4) the suspect was wearing at the time of arrest. Also provided are known standards from the male victim (Item 1) and male suspect (Item 2).

Items Submitted (Sample Pack B6):

Item 1: Known blood from the male victim

Item 2: Known blood from the male suspect

Item 3: Questioned stain from suspect's shirt (grey)

Item 4: Questioned stain from suspect's pants (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	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	KM, O-tol, PTMB
Semen	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	PSA
Saliva	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Human Origin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Y-Screening (male DNA)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
Other Specified Body Fluid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

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

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

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

Part III: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

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

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)