Collaborative Testing Services, Inc
FORENSIC TESTING PROGRAM

Forensic Biology Test No. 23-5706
Summary Report

Each participant received a sample set consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 353 participants and are compiled into the following tables:

Manufacturer's Information

Each sample set consisted of two known bloodstains on FTA™ Micro Cards (Items 1 and 2), and two questioned stains on colored fabric (Items 3 and 4). Participants were requested to analyze these items using their existing protocols.

SAMPLE PREPARATION: The stains on Items 1, 2, and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. The stain on Item 3 was prepared using a mixture of human whole blood and semen. Item 1 (75 μL) was created using blood from a female donor. Item 2 (75 μL) and Item 4 (50 μL) were created using blood from the same male donor. Item 3 (50 μL) was created using a 1:1 mixture of blood from the female donor used in Item 1 and semen from a male donor whose known standard was not provided. Stains from different sources were prepared at separate times and were packaged once they were thoroughly dried. Completed sample sets were stored at -20°C until shipment on October 16, 2023 following completion of the verification stage.

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

VERIFICATION: Results reported by predistribution laboratories were consistent and confirmed the manufacturer's expected associations.

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	16,16.3	18,19	11,15	17,18	11,12	*
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NM	NM	NM	NM	
2	14,15	24,25	13,14	15,15	10,13	*
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18	2	
3-Blood	16,16.3	18,19	11,15	17,18	11,12	*
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NM	NM	NM	NM	
3-Semen	15,19.3	18,20	14,14	16.2,19	12,13	*
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16	2	
4	14,15	24,25	13,14	15,15	10,13	*
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	11	18	18	20	21	13	11
3-Semen	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12	11	19	16	18	21	13	11
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	11	18	18	20	21	13	11

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

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

Summary Comments

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

Data were returned by 353 participants.

Screening Test Results
Screening results for body fluids (blood, semen, saliva) were returned by a total of 330 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 and semen. For the presence of saliva, all participants reported "Negative." For Human Origin 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 and Y-Screening, all participants reported "Positive."

DNA Analysis
For STR results, the majority of participants reported consistent results. Twenty participants reported inconsistent results for one or more items. A majority of inconsistent results were for Item 3e, in which most participants reported additional alleles.

For YSTR results, all participants reported consistent results.

DNA Interpretations
Of the 349 participants that returned DNA results, 318 reported DNA interpretations. Twenty-one participants selected the "No Interpretation" option for each conclusion, eight stated the samples were analyzed for database purposes only, and two did not respond.

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

For Item 4, all participants excluded the victim (Item 1) and included 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**
27JMFQ	Pos Phenolphthalein, ABA card HemaTrace	Pos Phenolphthalein, ABA card HemaTrace
2EXCFK	Pos KM	Pos KM, HemaTrace
2K3AKH	Pos LMG	Pos LMG, HemaTrace
2KGG7Z	Pos KM	Pos KM
2LU9YG	Pos KM	Pos KM
2LV7AC	Pos KM, HemaTrace	Pos KM, HemaTrace
2M4HPT	Pos HemaTrace	Pos HemaTrace
2NE84Y	Pos HemaTrace	Pos HemaTrace
2PFXJU	Pos KM, HemaTrace	Pos KM, HemaTrace
2QPZ8D	Pos KM, HEM	Pos KM, HEM
2TA22Z	Pos Hemastix	Pos Hemastix
2TVKWY	Pos KM	Pos KM
2VY3A9	Pos Hemastix, HemaTrace	Pos Hemastix, HemaTrace
2YK39P	Pos KM, HemaTrace	Pos KM, HemaTrace
2ZCWCK	Pos KM	Pos KM, HemaTrace
33E7RV	Pos KM	Pos KM
36KQGG	Pos HX	Pos HX
373BCY	Pos KM, RSID	Pos KM, RSID
3J2NMG	Pos Hemastix	Pos Hemastix
3KZV2F	Pos Combur (TMB), KM	Pos Combur (TMB), KM
3LQ42J	Pos KM, HemaTrace	Pos KM, HemaTrace
3NCWML	Pos KM	Pos KM
3NHKCZ	Pos Hemastix Test	Pos Hemastix Test
3PA6V6	Pos KM	Pos KM
3Q7GZL	Pos KM	Pos KM
3UJGWC	Pos KM, HemaTrace	Pos KM, HemaTrace
3VANVF	Pos Hemastix	Pos Hemastix
3W3GRY	Pos LMG	Pos LMG
3W9KUQ	Pos HemaTrace	Pos HemaTrace
3X499F	Pos LMG	Pos LMG
47C9WM	Pos LMG, HemaTrace	Pos LMG, HemaTrace

TABLE 1a

| WebCode | Blood Screening Results | | | |
	Item 3		Item 4	
4J2Y47	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
4QXZVJ	**Pos**	KM	**Pos**	KM
4TNBZJ	**Pos**	KM	**Pos**	KM
4TRK8H	**Pos**	KM	**Pos**	KM
4TTMMF	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
62EXNU	**Pos**	KM	**Pos**	KM
62TJXV	**Pos**	KM	**Pos**	KM
64XYJF	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
6E6UN7	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
6JFR8M	**Pos**	FOB	**Pos**	FOB
6KAQAR	**Pos**	KM, Hem	**Pos**	KM, Hem
6MTR4E	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
6QR7R4	**Pos**	LMG, HemaTrace	**Pos**	LMG, HemaTrace
6UDRKQ	**Pos**	KM	**Pos**	KM
6V6QXP	**Pos**	O-tol	**Pos**	O-tol
6WK4P8	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
74XHJN	**Pos**	KM	**Pos**	KM
7ANLZ8	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
7D4GDJ	**Pos**	O-tol, PPTH, HemDirect	**Pos**	O-tol, PPTH, HemDirect
7FQ6PJ	**Pos**	LMG, HemaTrace	**Pos**	LMG, HemaTrace
7LH3P9	**Pos**	O-tol	**Pos**	O-tol
7N24JU	**Pos**	Hemastix	**Pos**	Hemastix
7TXVRR	**Pos**	KM	**Pos**	KM
7V646H	**Pos**	KM	**Pos**	KM
7X7B2F	**Pos**	KM, TMB	**Pos**	KM, TMB
7XRXLJ	**Pos**	KM	**Pos**	KM
7ZG3KH	**Pos**	KM	**Pos**	KM
7ZZVDE	**Pos**	LMG	**Pos**	LMG
83ZLWY	**Pos**	KM	**Pos**	KM
86JMRL	**Pos**	KM	**Pos**	KM
86RHLT	**Pos**	KM	**Pos**	KM
88BJGF	**Pos**	KM, TMB	**Pos**	KM, TMB
8BAW2J	**Pos**	KM	**Pos**	KM

TABLE 1a

| WebCode | Blood Screening Results | |
	Item 3	Item 4
8F7ENC	**Pos** KM	**Pos** KM
8TBXZC	**Pos** LMG	**Pos** LMG
8TVEHZ	**Pos** KM	**Pos** KM
8V3TN7	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
8VVV6T	**Pos** Hemastix	**Pos** Hemastix
8WEFCL	**Pos** KM	**Pos** KM
8XLUJR	**Pos** KM	**Pos** KM
96FM6Q	**Pos** O-tol	**Pos** O-tol
97FDJL	**Pos** HemaTrace	**Pos** HemaTrace
97UYV9	**Pos** KM	**Pos** KM
99GM89	**Pos** O-tol, Seratec PMB	**Pos** O-tol, Seratec PMB
9AFJ6J	**Pos** HemaTrace	**Pos** HemaTrace
9BNWKZ	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
9D9UPH	**Pos** LMG, HemaTrace	**Pos** LMG, HemaTrace
9DFR9U	**Pos** Hemastix, HemaTrace	**Pos** Hemastix, HemaTrace
9NCVDM	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
9PA9WA	**Pos** KM	**Pos** KM
9QGDNC	**Pos** KM, TMB	**Pos** KM, TMB
9RWW8A	**Pos** KM, TMB	**Pos** KM, TMB
9NTW4	**Pos** hHb	**Pos** hHb
9Z72KZ	**Pos** O-tol, HemDirect, PMB	**Pos** O-tol, HemDirect, PMB
A24PLB	**Pos** LMG	**Pos** LMG
A2GENM	**Pos** KM, Hemdirect	**Pos** KM, Hemdirect
A7BBDE	**Pos** KM	**Pos** KM
A8LDYD	**Pos** KM	**Pos** KM
AC2KMC	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
AELLHY	**Pos** KM	**Pos** KM
AMGNJA	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
ARRQQZ	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
AVR2KE	**Pos** KM	**Pos** KM
AW4MBF	**Pos** KM	**Pos** KM
AWQ4EP	**Pos** KM	**Pos** KM
AXH3TM	**Pos** KM, HemDirect	**Pos** KM, HemDirect

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		Item 4	
AYA69B	Pos	KM, HemaTrace	Pos	KM, HemaTrace
AZ24MA	Pos	KM, HemaTrace	Pos	KM, HemaTrace
B3AP22	Pos	KM	Pos	KM
B6BVDM	Pos	KM, Hem	Pos	KM, Hem
B7PBHM	Pos	KM	Pos	KM
B9UV99	Pos	KM, HemaTrace	Pos	KM, HemaTrace
B9WG6N	Pos	O-tol	Pos	O-tol
BE2FHY	Pos	KM, Hemedirect	Pos	KM, Hemedirect
BKBA2B	Pos	KM	Pos	KM
BNCH3Z	Pos	KM, HemDirect	Pos	KM, HemDirect
BYRCGE	Pos	KM, HemaTrace	Pos	KM, HemaTrace
C3KT7D	Pos	KM	Pos	KM
C8WYLJ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
CAJHMG	Pos	KM, HemaTrace	Pos	KM, HemaTrace
CC8V6Z	Pos	Seratec HEM	Pos	Seratec HEM
CZR9UD	Pos	LMG, HemaTrace	Pos	LMG, HemaTrace
CZY7DQ	Pos	Luminol, KM	Pos	Luminol, KM
D23BFC	Pos	LMG	Pos	LMG
D32AYK	Pos	KM, HemaTrace	Pos	KM, HemaTrace
D68UP7	Pos	LMG, HemaTrace	Pos	LMG
D8882X	Pos	KM	Pos	KM
DA4EVB	Pos	KM	Pos	KM
DAEHZM	Pos	KM	Pos	KM
DBXA46	Pos	KM, HemaTrace	Pos	KM, HemaTrace
DEEHR6	Pos	KM	Pos	KM
DF6V2B	Pos	KM	Pos	KM
DHC6XE	Pos	KM, HemaTrace	Pos	KM, HemaTrace
DHXJLQ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
DJ8TC3	Pos	KM	Pos	KM
DKYRQ2	Pos	KM, HEM	Pos	KM, HEM
DNJQVJ	Pos	KM	Pos	KM
DNNTXB	Pos	KM	Pos	KM
DQ9UTW	Pos	LMG, HemaTrace	Pos	LMG, HemaTrace

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		Item 4	
DWY9Q4	Pos	TMB and HemaTrace	Pos	TMB and HemaTrace
DYHALQ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
E4VAHH	Pos	KM, HEM	Pos	KM, HEM
E7Z3AV	Pos	KM, HemaTrace	Pos	KM, HemaTrace
E8RYYP	Pos	LMG, HemaTrace	Pos	LMG, HemaTrace
EACZUB	Pos	LMG	Pos	LMG
EAYD7V	Pos	KM, HemaTrace	Pos	KM, HemaTrace
ECJEZG	Pos	KM	Pos	KM
EGD9Z4	Pos	O-tol, Seratec Hemdirect and PMB	Pos	O-tol, Seratec Hemdirect and PMB
EJLEL6	Pos	LMG	Pos	LMG
EKDBBY	Pos	KM and HemaTrace	Pos	KM and HemaTrace
EKWGAP	Pos	KM, HemaTrace	Pos	KM, HemaTrace
ERHZ36	Pos	Combur (TMB), KM	Pos	Combur (TMB), KM
ET46ZG	Pos	KM	Pos	KM
EYBMGH	Pos	LMG	Pos	LMG
F9JEL7	Pos	LMG	Pos	LMG
FE9UEJ	Pos	KM	Pos	KM
FFKTAR	Pos	KM	Pos	KM
FGTVA6	Pos	KM, ABAcard HT	Pos	KM, ABAcard HT
FLKCA3	Pos	KM	Pos	KM
FUYYJ7	Pos	KM	Pos	KM
FYBW3M	Pos	LMG	Pos	LMG
G7Q8GY	Pos	KM	Pos	KM
G8G7VX	Pos	Hemastix (TMB), HemaTrace	Pos	Hemastix (TMB), HemaTrace
GAQBB8	Pos	KM, HemaTrace	Pos	KM
GB26ZF	Pos	KM	Pos	KM
GB8837	Pos	KM	Pos	KM
GDQ9XT	Pos	LMG, HemaTrace	Pos	LMG, HemaTrace
GEGPV8	Pos	KM	Pos	KM
GG9NA7	Pos	LMG	Pos	LMG
GJQTX3	Pos	KM; HemaTrace	Pos	KM; HemaTrace
GJTDTJ	Pos	O-tol	Pos	O-tol
GLKC8G	Pos	HemaTrace	Pos	HemaTrace

TABLE 1a

| WebCode | Blood Screening Results | |
	Item 3	Item 4
GMCQE7	**Pos** KM	**Pos** KM
GPJQV8	**Pos** LMG	**Pos** LMG
GXUCGF	**Pos** KM	**Pos** KM
H6B3M8	**Pos** KM	**Pos** KM
H8Z8L7	**Pos** KM	**Pos** KM
HBGNKC	**Pos** KM	**Pos** KM
HBL6UW	**Pos** combur (TMB), KM	**Pos** combur (TMB), KM
HG2WUV	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
HGN63D	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
HK4XWD	**Pos** KM, HemDirect	**Pos** KM, HemDirect
HMVUL8	**Pos** KM	**Pos** KM, HemaTrace
HPEVGT	**Pos** KM	**Pos** KM
HPV6FL	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
HQB2A7	**Pos** KM	**Pos** KM
HR9ETT	**Pos** KM, HemDirect	**Pos** KM, HemDirect
HVLCZF	**Pos** KM, Seratec Hemdirect	**Pos** KM, Seratec Hemdirect
HX7DU2	**Pos** O-tol, Seratec PMB Test	**Pos** O-tol, Sreatec PMB Test
HX9XQH	**Pos** O-tol, HemaTrace	**Pos** O-tol
J2B39W	**Pos** KM, Combur (TMB)	**Pos** KM, Combur (TMB)
J3D27H	**Pos** Hemastix	**Pos** Hemastix
J68Z9M	**Pos** KM	**Pos** KM
J8R23A	**Pos** KM	**Pos** KM
J9PXZJ	**Pos** LMG, HemaTrace	**Pos** LMG, HemaTrace
JCJ9LH	**Pos** KM	**Pos** KM
JDJYZD	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
JN472M	**Pos** KM	**Pos** KM
JNF368	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
JNJPLK	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
JQM8VA	**Pos** KM	**Pos** KM
JRJTFT	**Pos** KM	**Pos** KM
K3BTEA	**Pos** PTMB	**Pos** PTMB
K98B22	**Pos** KM	**Pos** KM
KKCQLC	**Pos** LMG	**Pos** LMG

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		**Item 4**	
KLMHR8	**Pos**	RSID Blood Test	**Pos**	RSID Blood Test
KQJBU3	**Pos**	KM	**Pos**	KM
KVXB8G	**Pos**	Hemastix	**Pos**	Hemastix
KYCEU6	**Pos**	LMG, HemaTrace	**Pos**	LMG, HemaTrace
KZUDF4	**Pos**	KM	**Pos**	KM
L6JJ46	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
LFZ3M2	**Pos**	KM	**Pos**	KM
LGR22Y	**Pos**	LMG	**Pos**	LMG
LKCZ8G	**Pos**	KM	**Pos**	KM
LLMT8B	**Pos**	LMG	**Pos**	LMG
LUZQT9	**Pos**	PTMB	**Pos**	PTMB
LXEN2W	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
LYDKY7	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
M3PYR6	**Pos**	LMG	**Pos**	LMG
M4ZUJN	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
MCXJ3D	**Pos**	KM	**Pos**	KM
MEHKWZ	**Pos**	KM	**Pos**	KM
MGB6AY	**Pos**	KM	**Pos**	KM
MP3P7K	**Pos**	FOB Test	**Pos**	FOB TEST
MPKTMX	**Pos**	LMG	**Pos**	LMG
MWHGKP	**Pos**	KM	**Pos**	KM
MWXUX2	**Pos**	Peroxtesmo, FOB	**Pos**	Peroxtesmo, FOB
MXD28P	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
MYQEAZ	**Pos**	O-tol, HemDirect	**Pos**	O-tol, HemDirect
MZX33B	**Pos**	KM	**Pos**	KM
NA2D9Z	**Pos**	KM	**Pos**	KM
NHWFBC	**Pos**	Hemastix	**Pos**	Hemastix
NJ96M2	**Pos**	PPTH, O-tol, HemDirect	**Pos**	PPTH, O-tol, HemDirect
NKMGJL	**Pos**	LMG	**Pos**	LMG
NKYDL6	**Pos**	KM	**Pos**	KM
NMRABY	**Pos**	KM, TMB	**Pos**	KM, TMB
NTZJQ8	**Pos**	KM, Seratec HemDirect	**Pos**	KM, Seratec HemDirect
NV2P3T	**Pos**	KM	**Pos**	KM

TABLE 1a

| WebCode | Blood Screening Results | | | |
	Item 3		Item 4	
NWHRZT	Pos	TMB, HemaTrace	Pos	TMB, HemaTrace
NXCGAN	Pos	KM	Pos	KM
NZDLM9	Pos	KM	Pos	KM
P73CVP	Pos	TMB	Pos	TMB
P9LDPB	Pos	Hemastix	Pos	Hemastix
PBW7TQ	Pos	KM and HemaTrace	Pos	KM and HemaTrace
PRLGET	Pos	KM	Pos	KM
PZVRLY	Pos	KM	Pos	KM
Q4CJLR	Pos	KM	Pos	KM
Q64L2F	Pos	KM	Pos	KM
Q94WXF	Pos	KM	Pos	KM
QBMXT2	Pos	KM	Pos	KM
QE9N9Y	Pos	KM	Pos	KM
QGZRXY	Pos	KM	Pos	KM
QQJ7YF	Pos	KM	Pos	KM
QR2X8Z	Pos	KM, HemaTrace	Pos	KM, HemaTrace
QU48T3	Pos	KM	Pos	KM
QVV4HW	Pos	KM, TMB	Pos	KM, TMB
R4QA7W	Pos	KM	Pos	KM
R62DB8	Pos	KM	Pos	KM
R6XXX8	Pos	O-tol	Pos	O-tol
R78P63	Pos	O-tol	Pos	O-tol
R7ADLF	Pos	KM, HemaTrace	Pos	KM, HemaTrace
RBN986	Pos	Img	Pos	Img
RCYWMB	Pos	KM	Pos	KM
RNQLMG	Pos	FOB, Hemophan	Pos	FOB, Hemophan
RWQW2L	Pos	KM, HemaTrace	Pos	KM, HemaTrace
RYJ7BB	Pos	Hemastix	Pos	Hemastix
T6UFRV	Pos	KM	Pos	KM
T78ZJ7	Pos	HT	Pos	HT
T8LPMH	Pos	KM, HemaTrace	Pos	KM, HemaTrace
TAMHTA	Pos	KM	Pos	KM
TBWM7X	Pos	Hemophan, FOB, RSID-Blood	Pos	Hemophan, FOB, RSID-Blood

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		Item 4	
TGBDK7	Pos	KM	Pos	Luminol, KM, HemDirect
TH2CY4	Pos	KM, Hem	Pos	KM, Hem
TJUEER	Pos	KM, HemaTrace	Pos	KM, HemaTrace
TJXWL4	Pos	LMG	Pos	LMG
TK68H8	Pos	KM	Pos	KM
TNP9CT	Pos	KM, TMB	Pos	KM, TMB
TPLF78	Pos	IR Light, Luminol, Phen	Pos	IR Light, Luminol, Phen
TQHTNT	Pos	LMG	Pos	LMG
TR6GZT	Pos	KM, HemaTrace	Pos	KM, HemaTrace
TUG7CH	Pos	KM, HB	Pos	KM, HB
TW2876	Pos	KM, ALS	Pos	KM, ALS
TY63P8	Pos	KM	Pos	KM
U2VCLU	Pos	KM	Pos	KM
U4ELER	Pos	KM, HemaTrace	Pos	KM, HemaTrace
U9ENPM	Pos	Hemastix, HemaTrace	Pos	Hemastix, HemaTrace
UMUVFT	Pos	KM	Pos	KM
V2PK8J	Pos	Hemastix (TMB) & HemaTrace	Pos	Hemastix (TMB) & HemaTrace
V9P2F4	Pos	O-tol	Pos	O-tol
VAZYQZ	Pos	KM, HEM	Pos	KM, HEM
VDXKFH	Pos	KM, HemaTrace	Pos	KM, HemaTrace
VECVAF	Pos	Hem-Check	Pos	Hem-Check
VGHCPY	Pos	KM, HemaTrace	Pos	KM, HemaTrace
VKXTY4	Pos	ALS, KM, HemaTrace	Pos	ALS, KM, HemaTrace
VLBGJ3	Pos	KM, HT	Pos	KM, HT
VP8A9R	Pos	KM	Pos	KM
VY33NX	Pos	KM, HemaTrace	Pos	KM, HemaTrace
W2PYWP	Pos	KM	Pos	KM, HemaTrace
W4ATR4	Pos	KM	Pos	KM
W8QF4N	Pos	LMG	Pos	LMG
WAD4EN	Pos	HemaTrace, KM	Pos	HemaTrace, KM
WC7NRN	Pos	LMG	Pos	LMG
WCMVYQ	Pos	KM	Pos	KM
WE6BXW	Pos	O-tol, Hématrace	Pos	O-tol, Hématrace

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		Item 4	
WFHLB4	Pos	O-tol	Pos	O-tol
WGF4ZC	Pos	KM, HemaTrace	Pos	KM, HemaTrace
WH8ZP7	Pos	Hemastix, HemaTrace	Pos	Hemastix, HemaTrace
WJY6VX	Pos	KM, HemaTrace	Pos	KM, HemaTrace
WPB83N	Pos	LMG	Pos	LMG
WQ83Q6	Pos	Hemastix	Pos	Hemastix
WTQEQM	Pos	LMG	Pos	LMG
WUYR74	Pos	KM	Pos	KM
WX3CA4	Pos	KM	Pos	KM
XJDR8L	Pos	KM, TMB	Pos	KM, TMB
XJGADW	Pos	KM, HemaTrace	Pos	KM, HemaTrace
XL8Q9Q	Pos	KM	Pos	KM
XQKCFC	Pos	KM, HemaTrace	Pos	KM, HemaTrace
XRC867	Pos	KM	Pos	KM
XRW4BE	Pos	KM, HemDirect	Pos	KM, HemDirect
XUCPRZ	Pos	O-tol	Pos	
Y9TVMY	Pos	KM, HemaTrace	Pos	KM, HemaTrace
YCH3C3	Pos	KM	Pos	KM
YCXLWZ	Pos	KM, Luminol	Pos	KM, Luminol
YHL2PD	Pos	KM, HemDirect	Pos	KM, HemDirect
YJHLCD	Pos	KM, HemaTrace	Pos	KM, HemaTrace
YL2M7Y	Pos	O-tol	Pos	O-tol
YTHCVY	Pos	KM	Pos	KM
YY2LUV	Pos	KM, HemaTrace	Pos	KM, HemaTrace
YY8PWM	Pos	KM	Pos	KM, HemaTrace
Z8GD9Z	Pos	KM	Pos	KM
Z9DXVZ	Pos	O-tol	Pos	O-tol
ZGQT3F	Pos	TMB, RSID	Pos	TMB, RSID
ZL3TBZ	Pos	KM	Pos	KM
ZLXDYY	Pos	O-tol	Pos	O-tol
ZP248Z	Pos	KM	Pos	KM
ZPXPUY	Pos	O-tol	Pos	O-tol
ZRL62L	Pos	KM, TMB	Pos	KM, TMB

Table 1a: Serology Screening Response Summary - Blood

Participants: **328**

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

	Item 3	Item 4
Positive	328	328
Negative	0	0
Inconclusive	0	0
Not Tested (NT)	0	0
Not Reported	0	0

Table 1a: Serology Screening Response Summary - Blood

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	
27JMFQ	Pos	ABA card p30, Microscopic Sperm search with Christmas Tree staining	Neg	ABA card p30, Microscopic Sperm search with Christmas Tree staining
2EXCFK	Pos	AP, Micro, PSA	Neg	AP
2K3AKH	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP
2KGG7Z	Pos	ALS, Micro	Neg	ALS, Micro, p30
2LU9YG	Pos	ALS, AP, Micro	Neg	ALS, AP
2LV7AC	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
2M4HPT	Pos	PSA, Micro	Neg	PSA
2NE84Y	Pos	ALS, AP, PSA, Micro	NT	
2PFXJU	Pos	p30, Micro	Neg	p30
2QPZ8D	Pos	AP, Micro	Neg	AP, Micro, RSID
2TA22Z	Pos	AP	Neg	AP
2VY3A9	Pos	AP, PSA, Micro	Neg	AP
2YK39P	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
2ZCWCK	Pos	AP, Micro, PSA	Neg	AP
33E7RV	Pos	ALS, AP, p30, Micro	Neg	ALS, AP, p30, Micro
36KQGG	Pos	AP, Micro	Neg	AP
373BCY	Pos	PSA, Micro	Neg	PSA
3J2NMG	Pos	AP	Neg	AP
3KZV2F	Pos	AP, PSA	Neg	AP, PSA
3LQ42J	Pos	AP, PSA, Micro	Neg	AP
3NCWML	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP
3NHKCZ	Pos	Brentamine Test	Neg	Brentamine Test
3PA6V6	Pos	AP, Micro	Neg	AP
3Q7GZL	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
3VANVF	Pos	AP, Micro	Neg	AP
3W3GRY	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP, PSA, Micro
3W9KUQ	Pos	p30, Micro	Neg	p30, Micro
3X499F	Pos	ALS, AP, PSA	Neg	ALS, AP
47C9WM	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
4J2Y47	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
4LKZYR	Pos	AP, p30, Micro	Neg	AP, p30, Micro
4QXZVJ	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		Item 4	
4TNBZJ	Pos	AP, Micro	Neg	AP
4TRK8H	Pos	AP, Micro, ALS	Neg	AP, Micro, ALS
4TTMMF	Pos	ALS, AP, Micro, RSID Semen	Neg	ALS, AP
62EXNU	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro
62TJXV	Pos	AP, PSA, Micro	Neg	AP
64XYJF	Pos	Micro, PSA	Neg	Micro, PSA
6JFR8M	Pos	PSA	Neg	PSA
6KAQAR	Pos	AP, Micro	Neg	AP, Micro, RSID
6MTR4E	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro
6QR7R4	Pos	AP, Micro, PSA	Neg	AP
6UDRKQ	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
6V6QXP	Pos	AP (Brentamine) and ABAcardp30	Neg	AP (Brentamine) and ABAcardp30
74XHJN	Pos	AP, Micro	Neg	AP, Micro
7ANLZ8	Pos	Micro, PSA, AP	Neg	Micro, PSA, AP
7D4GDJ	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
7FQ6PJ	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
7LH3P9	Pos	AP, Micro	Neg	AP
7N24JU	Pos	AP	Neg	AP
7TXVRR	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro
7V646H	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
7X7B2F	Pos	AP	Neg	AP
7XRXLJ	Pos	AP, Micro	Neg	AP
7ZG3KH	Pos	ALS, AP, Mirco	Neg	ALS, AP
7ZZVDE	Pos	AP, PSA	Neg	AP
83ZLWY	Pos	Micro, PSA	Neg	Micro, PSA
86JMRL	Pos	AP, Micro, p30	Neg	AP, Micro
88BJGF	Pos	AP	Neg	AP
8BAW2J	Pos	AP	Neg	AP
8F7ENC	Pos	ALS, AP, Micro	Neg	ALS, AP
8TBXZC	Pos	AP, ALS, Micro	Neg	AP, ALS, PSA, Micro
8TVEHZ	Pos	Micro, PSA	Neg	Micro, PSA
8V3TN7	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
8VVV6T	Pos	AP	Neg	AP
8WEFCL	Pos	AP, Micro	Neg	AP, Micro

TABLE 1b

| WebCode | Semen Screening Results | |
	Item 3	Item 4
8XLUJR	**Pos** AP, p30, Micro	**Neg** AP, p30, Micro
96FM6Q	**Pos** AP, Micro	**Neg** AP
97FDJL	**Pos** AP, Micro	**Neg** AP
97UYV9	**Pos** ALS, AP, Micro	**Neg** ALS, AP
99GM89	**Pos** AP, Seratec PSA, Micro	**Neg** AP, Seratec PSA, Micro
9AFJ6J	**Pos** p30, Micro	**Neg** p30, Micro
9BNWKZ	**Pos** AP, PSA, Micro	**Neg** AP, PSA, Micro
9D9UPH	**Pos** AP, PSA, Micro	**Neg** AP, PSA, Micro
9DFR9U	**Pos** AP, Micro	**Neg** AP
9NCVDM	**Pos** AP, Micro	**Neg** AP, Micro, RSID Sg
9PA9WA	**Pos** AP, Micro	**Neg** AP
9QGDNC	**Pos** AP	**Neg** AP
9RWW8A	**Pos** AP, PSA, Micro	**Neg** AP, PSA, Micro
9TNTW4	**Pos** PSA	**Neg** PSA
9Z72KZ	**Pos** AP, PSA, Micro	**Neg** AP, PSA
A24PLB	**Pos** AP, Micro	**Neg** AP
A2GENM	**Pos** AP, Micro	**Neg** AP, Micro, RSID
A7BBDE	**Pos** AP. Micro	**Neg** AP
A8LDYD	**Pos** AP, PSA	**Neg** AP
AC2KMC	**Pos** AP, Micro, PSA	**Neg** AP
AELLHY	**Pos** AP, Micro	**Neg** AP, Micro
AMGNJA	**Pos** ALS, AP, Micro	**Neg** ALS, AP, Micro
ARRQQZ	**Pos** AP, PSA, Micro	**Neg** AP, PSA, Micro
AW4MBF	**Pos** ALS, AP, PSA, Micro	**Neg** ALS, AP
AWQ4EP	**Pos** ALS, AP, Micro	**Neg** ALS, AP, Micro
AXH3TM	**Pos** AP, Micro	**Neg** AP, Micro, RSID
AYA69B	**Pos** PSA, Micro	**Neg** PSA, Micro
AZ24MA	**Pos** ALS, AP, Micro	**Neg** ALS, AP, Micro
B3AP22	**Pos** ALS, AP, Micro	**Neg** ALS, AP
B6BVDM	**Pos** AP, Micro	**Neg** AP, Micro, RSID
B7PBHM	**Pos** AP, Micro, p30	**Neg** AP, Micro
B9UV99	**Pos** ALS, AP, Micro	**Neg** ALS, AP, Micro
B9WG6N	**Pos** AP/PSA/ALS	**Neg** AP/PSA/ALS
BE2FHY	**Pos** AP, Micro, PSA	**Neg** AP

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		**Item 4**	
BKBA2B	Pos	AP, Micro, PSA	Neg	AP
BNCH3Z	Pos	AP, Micro, PSA	Neg	AP
BYRCGE	Pos	Micro, AP, p30	Neg	Micro, AP, p30
C3KT7D	Pos	AP, p30, Micro	Neg	AP, p30, Micro
C8WYLJ	Pos	AP, Micro	Neg	AP, Micro, RSID
CAJHMG	Pos	AP, p30, Micro	Neg	AP, p30
CC8V6Z	Pos	Seratec PSA	Neg	Seratec PSA
CZR9UD	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
CZY7DQ	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro
D23BFC	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
D32AYK	Pos	AP, Micro	Neg	AP
D68UP7	Pos	ALS, AP, Micro, p30	Neg	ALS, AP
D8882X	Pos	RSID	Neg	RSID
DA4EVB	Pos	AP, PSA	Neg	AP, PSA
DAEHZM	Pos	ALS, Micro	Neg	ALS, Micro, PSA
DBXA46	Pos	AP, ALS, Micro, RSID-Semen	Neg	AP, ALS
DEEHR6	Pos	AP, Micro	Neg	AP
DF6V2B	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
DHC6XE	Pos	p30, Micro	Neg	p30
DHXJLQ	Pos	AP, Seratec, Micro	Neg	AP, Seratec
DJ8TC3	Pos	AP, Micro	Neg	AP
DKYRQ2	Pos	AP, Micro	Neg	AP, Micro, RSID
DNJQVJ	Pos	AP, Micro	Neg	AP, Micro
DNNTXB	Pos	AP, Micro	Neg	AP
DQ9UTW	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
DWY9Q4	Pos	AP/Micro/PSA	Neg	AP
DYHALQ	Pos	AP, Seratec, Micro	Neg	AP, Seratec
E4VAHH	Pos	AP, Micro	Neg	AP, Micro, RSID
E7Z3AV	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
E8RYYP	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
EACZUB	Pos	AP	Neg	AP
EAYD7V	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
ECJEZG	Pos	AP, Micro for Sperm	Neg	AP, Micro for Sperm
EGD9Z4	Pos	AP, Seratec PSA, Micro	Neg	AP, Seratec PSA, Micro

TABLE 1b

| WebCode | Semen Screening Results | |
	Item 3	Item 4
EJLEL6	Pos AP, Micro	Neg AP, Micro
EKDBBY	Pos AP, PSA, and Micro	Neg AP, PSA, and Micro
EKWGAP	Pos AP, Seratec, Micro	Neg AP, Seratec
ERHZ36	Pos AP, PSA, Micro	Neg AP, PSA
ET46ZG	Pos AP, Micro, ALS	Neg AP, Micro, ALS
EYBMGH	Pos AP, PSA	Neg AP
F9JEL7	Pos ALS, AP, PSA	Neg ALS, AP
FFKTAR	Pos Micro	Neg Micro
FGTVA6	Pos AP, ABAcard p30, Micro	Neg AP, ABAcard p30
FLKCA3	Pos ALS, AP, Micro	Neg ALS, AP
FUYYJ7	Pos AP, Micro	Neg AP, Micro
FYBW3M	Pos AP, Micro	Neg AP
G7Q8GY	Pos AP, Micro	Neg AP
G8G7VX	Pos ALS, AP, PSA, Micro	Neg ALS, AP
GAQBB8	Pos ALS, AP, PSA, Micro	Neg ALS, AP
GB26ZF	Pos AP, Micro	Neg AP, Micro
GB8837	Pos AP, PSA	Neg AP, PSA
GDQ9XT	Pos AP, PSA, Micro	Neg AP, PSA, Micro
GEGPV8	Pos AP, p30, Micro	Neg p30, Micro
GG9NA7	Pos AP, Micro	Neg AP
GJQTX3	Pos ALS; AP; Micro	Neg ALS; AP; Micro
GJTDTJ	Pos AP	Neg AP
GLKC8G	Pos p30; Micro	Neg p30
GMCQE7	Pos PSA	Neg PSA
GPJQV8	Pos AP, Micro	Neg AP
GXUCGF	Pos ALS, Micro	Neg ALS, Micro, PSA
H6B3M8	Pos Micro, AP, PSA	Neg AP
H8Z8L7	Pos ALS, AP, Micro	Neg ALS, AP
HBGNKC	Pos AP, Micro	Neg AP, Micro
HBL6UW	Pos PSA, AP, Microscopy Sperm	Neg PSA, AP
HGN63D	Pos AP, Micro	Neg AP
HK4XWD	Pos AP, Micro	Neg AP, Micro, Semenogelin
HMVUL8	Pos AP, PSA, Micro	Neg AP
HPEVGT	Pos AP, Micro	Neg AP

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		Item 4	
HPV6FL	Pos	AP, Seratec, Micro	Neg	AP, Seratec
HQB2A7	Pos	PSA	Neg	PSA
HR9ETT	Pos	AP, Micro, PSA	Neg	AP
HVLCZF	Pos	AP, Micro	Neg	AP, Micro, RSID Semen
HX7DU2	Pos	AP, Seratec PSA, Micro	Neg	AP, Seratec PSA, Micro
HX9XQH	Pos	AP	Neg	AP
J2B39W	Pos	AP, Micro, PSA	Neg	AP, PSA
J3D27H	Pos	AP	Neg	AP
J68Z9M	Pos	Micro	Neg	Micro
J8R23A	Pos	AP, Micro, p30	Neg	AP, Micro, p30
J9PXZJ	Pos	AP, Micro, PSA	Neg	AP, Micro
JCJ9LH	Pos	AP, Micro	Neg	AP, Micro
JDJYZD	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro, PSA
JN472M	Pos	PSA, Micro	Neg	PSA
JNF368	Pos	Micro, AP, p30	Neg	Micro, AP, p30
JNJPLK	Pos	AP, Seratec, Micro	Neg	AP, Seratec, Micro
JQM8VA	Pos	AP, Micro	Neg	AP, Micro
JRJTFT	Pos	AP, Micro	Neg	AP
K3BTEA	Pos	AP, Micro	Neg	AP
K98B22	Pos	AP, Micro	Neg	AP, Micro
KKCQLC	Pos	AP, PSA	Neg	AP
KLMHR8	Pos	Seratec PSA	Neg	Seratec PSA
KQJBU3	Pos	ALS, AP, Micro	Neg	ALS, AP
KVXB8G	Pos	Brentamine	Neg	Brentamine
KYCEU6	Pos	AP, PSA, Microscopy	Neg	AP, PSA, Microscopy
KZUDF4	Pos	ALS, AP, Micro	Neg	ALS, AP
L6JJ46	Pos	Micro, AP, p30	Neg	Micro, AP, p30
LFZ3M2	Pos	AP, Micro	Neg	AP, Micro
LGR22Y	Pos	ALS, AP, PSA	Neg	ALS, AP
LKCZ8G	Pos	AP, Micro	Neg	AP
LLMT8B	Pos	AP, PSA	Neg	AP
LUZQT9	Pos	AP, Micro	Neg	AP
LXEN2W	Pos	AP, Microscopy	Neg	AP
LYDKY7	Pos	AP, PSA, Micro	Neg	AP, PSA

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		**Item 4**	
M3PYR6	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
MCXJ3D	Pos	AP, PSA, Micro	Neg	AP
MEHKWZ	Pos	ALS, AP, , p30, Micro	Neg	ALS, AP
MGB6AY	Pos	AP, Micro	Neg	AP, Micro
MP3P7K	Pos	PSA, RSID-Semen	Neg	PSA, RSID-Semen
MPKTMX	Pos	AP, Micro	Neg	AP
MWHGKP	Pos	ALS, AP, Micro	Neg	ALS, AP
MWXUX2	Pos	Phosphatesmo, PSA	Neg	Phosphatesmo, PSA
MYQEAZ	Pos	AP	Neg	AP
MZX33B	Pos	AP, Micro	Neg	AP, Micro
NA2D9Z	Pos	ALS, AP, Micro, PSA	Neg	ALS, AP
NHWFBC	Pos	AP	Neg	AP
NJ96M2	Pos	AP, Micro	Neg	AP, Micro
NKMGJL	Pos	PSA, AP, Micro	Neg	PSA, AP, Micro
NKYDL6	Pos	AP, Micro	Neg	AP, Micro
NMRABY	Pos	AP	Neg	AP
NTZJQ8	Pos	AP, Micro (Sperm)	Inc	AP, RSID Semen, Micro (Sperm)
NV2P3T	Pos	ALS, AP, Micro	Neg	ALS, AP
NWHRZT	Pos	AP, PSA, Micro	Neg	AP
NXCGAN	Pos	AP, Micro	Neg	AP
NZDLM9	Pos	AP, Micro	Neg	AP, Micro
P73CVP	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP
P9LDPB	Pos	AP	Neg	AP
PRLGET	Pos	ALS, AP, Micro	Neg	ALS, AP
PZVRLY	Pos	ALS, AP, Micro, PSA	Neg	ALS, AP, Micro, PSA
Q4CJLR	Pos	AP, Micro	Neg	AP
Q64L2F	Pos	Micro	Neg	Micro
Q94WXF	Pos	PSA, Micro	Neg	PSA, Micro
QBMXT2	Pos	AP, Micro	Neg	AP, Micro
QE9N9Y	Pos	ALS, AP, Micro	Neg	ALS, AP
QGZRXY	Pos	AP, Micro, PSA	Neg	AP
QQJ7YF	Pos	PSA, Micro	Neg	PSA, Micro
QR2X8Z	Pos	AP, Micro, ABAcardp30	Neg	AP, Micro, ABAcardp30
QU48T3	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA

TABLE 1b

| WebCode | Semen Screening Results | |
	Item 3	Item 4
QVV4HW	Pos AP	Neg AP
R4QA7W	Pos ALS, ap, Micro	Neg ALS, ap
R6XXX8	Pos AP, Micro, ALS	Neg AP, ALS
R78P63	Pos AP, PSA	Neg AP
R7ADLF	Pos AP, PSA, Micro	Neg AP, PSA, Micro
RBN986	Pos p30	Neg p30
RCYWMB	Pos AP, Micro	Neg AP
RNQLMG	Pos PSA, AP, RSID	Neg PSA, AP, RSID
RYJ7BB	Pos Brentamine	Neg Brentamine
T6UFRV	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
T78ZJ7	Pos AP, p30, Micro	Neg AP
TAMHTA	Pos AP, Micro	Neg AP
TBWM7X	Pos AP, RSID Semen, PSA	Neg AP, RSID Semen, PSA
TGBDK7	Pos ALS, STMP, Micro	Neg ALS, STMP
TH2CY4	Pos AP, Micro	Neg AP, Micro, RSID
TJUEER	Pos PSA, Micro	Neg PSA, Micro
TJXWL4	Pos AP, PSA	Neg AP
TNP9CT	Pos AP	Neg AP
TPLF78	Pos ALS, AP, Micro	Neg ALS, AP, Micro
TQHTNT	Pos ALS, AP, and Micro	Neg ALS, AP, Micro, and PSA
TR6GZT	Pos PSA, Micro	Neg PSA, Micro
TUG7CH	Pos AP, Micro, PSA	Neg AP
TW2876	Pos AP, Micro, ALS	Neg AP, Micro, ALS
TY63P8	Pos AP, Micro	Neg AP
U2VCLU	Pos AP, Micro, PSA	Neg AP, Micro, PSA
U4ELER	Pos ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
U9ENPM	Pos AP, PSA, Micro	Neg AP
UMUVFT	Pos AP, Micro	Neg AP
V2PK8J	Pos AP, ALS, Micro, p30	Neg ALS & AP
V9P2F4	Pos PSA, AP	Neg AP
VAZYQZ	Pos AP, Micro	Neg AP, Micro, RSID
VECVAF	Pos PSA	Neg PSA
VGHCPY	Pos PSA, Micro	Neg PSA, Micro
VKXTY4	Pos ALS, AP, Micro	Neg ALS, AP, Micro

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		Item 4	
VLBGJ3	Pos	AP, Micro	Neg	AP
VP8A9R	Pos	ALS, AP, Micro, PSA	Neg	ALS, AP, Micro, PSA
VY33NX	Pos	AP, Micro	Neg	AP
W2PYWP	Pos	AP, Micro, PSA	Neg	AP
W4ATR4	Pos	ALS, Micro	Neg	ALS, Micro, PSA
W8QF4N	Pos	AP, ALS, PSA	Neg	ALS, AP
WAD4EN	Pos	Micro, PSA	Neg	Micro, PSA
WC7NRN	Pos	AP, Micro	Neg	AP
WCMVYQ	Pos	ALS, AP, Micro	Neg	ALS, AP
WE6BXW	Pos	ALS, AP, PSA	Neg	ALS, AP, PSA
WFHLB4	Pos	AP, Micro	Neg	AP
WGF4ZC	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
WH8ZP7	Pos	AP, Micro	Neg	AP
WJY6VX	Pos	AP, PSA, Micro, ALS	Neg	AP, PSA, Micro, ALS
WLQ2KR	Pos	Micro	Neg	Micro
WPB83N	Pos	ALS, AP, PSA	Neg	ALS, AP, PSA
WQ83Q6	Pos	Brentamine	Neg	Brentamine
WTQEQM	Pos	ALS, AP, Micro	Neg	ALS, AP
WUYR74	Pos	ALS, Micro	Neg	ALS, Micro, PSA
WX3CA4	Pos	AP, Micro, PSA	Neg	AP, Micro, PSA
XJDR8L	Pos	AP	Neg	AP
XJGADW	Pos	AP, PSA, Micro	Neg	AP, PSA
XL8Q9Q	Pos	AP, PSA, Micro	Neg	AP
XQKCFC	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
XRC867	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
XRW4BE	Pos	AP, PSA, Micro	Neg	AP, PSA, Micro
XUCPRZ	Pos	AP, PSA, Micro	Neg	AP
Y9TVMY	Pos	AP, Micro	Neg	AP
YCH3C3	Pos	AP, Micro	Neg	AP
YCXLWZ	Pos	ALS, AP, Micro	Neg	ALS, AP
YHL2PD	Pos	ALS, AP, PSA, Micro	Neg	ALS, AP, PSA, Micro
YL2M7Y	Pos	AP, Micro, ALS	Neg	AP, ALS
YTHCVY	Pos	ALS, AP, Micro	Neg	ALS, AP, Micro
YY2LUV	Pos	ALS, AP, p30, Micro	Neg	ALS, AP, p30, Micro

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		Item 4	
YY8PWM	Pos	AP, Micro, PSA	Neg	AP
Z9DXVZ	Pos	AP, PSA	Neg	AP
ZGQT3F	Pos	AP, RSID	Neg	AP, RSID
ZLXDYY	Pos	AP, Micro, ALS	Neg	AP, ALS
ZPXPUY	Pos	ALS, AP, Micro	Neg	ALS, AP
ZRL62L	Pos	AP	Neg	AP

Table 1b: Serology Screening Response Summary - Semen　　　　Participants: **310**

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

	Item 3	Item 4
Positive	**310**	**0**
Negative	**0**	**308**
Inconclusive	**0**	**1**
Not Tested (NT)	**0**	**1**
Not Reported	**0**	**0**

Serology Screening Results

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

TABLE 1c

WebCode	Saliva Screening Results	
	Item 3	Item 4
27JMFQ	Neg RSID Saliva	Neg RSID Saliva
2EXCFK	Neg RSID	Neg RSID
2LV7AC	Neg Phadebas	Neg Phadebas
2M4HPT	NT	Neg RSID
2PFXJU	Neg RSID	Neg RSID
2YK39P	Neg SALIgAE	Neg SALIgAE
2ZCWCK	Neg RSID	NT
3KZV2F	Neg Phadebas	Neg Phadebas
3LQ42J	Neg RSID	Neg RSID
3W9KUQ	Neg RSID	Neg RSID
4J2Y47	Neg Phadebas	Neg Phadebas
4TRK8H	Neg RSID	Neg RSID
62EXNU	Neg ALS, Phadebas	Neg ALS, Phadebas
64XYJF	Neg RSID	Neg RSID
6JFR8M	Neg RSID	Neg RSID
7ANLZ8	Neg Phadebas	Neg Phadebas
7FQ6PJ	Neg Amylase	Neg Amylase
8V3TN7	Neg Phadebas	Neg Phadebas
8XLUJR	Neg Phadebas	Neg Phadebas
97FDJL	Neg RSID	Neg RSID
99GM89	Neg Seratec Amylase	Neg Seratec Amylase
9AFJ6J	Neg RSID	Neg RSID
9BNWKZ	Neg Phadebas	Neg Phadebas
9Z72KZ	Neg RSID	Neg RSID
A8LDYD	Neg RSID	NT
AC2KMC	Neg RSID Saliva	Neg RSID Saliva
ARRQQZ	Neg Phadebas	Neg Phadebas
AWQ4EP	Neg ALS, Phadebas	Neg ALS, Phadebas
AYA69B	Neg RSID	Neg RSID
BKBA2B	Neg RSID	NT
BYRCGE	Neg SALIgAE	Neg SALIgAE
C3KT7D	Neg Amylase	Neg Amylase

TABLE 1c

WebCode	Saliva Screening Results			
	Item 3		Item 4	
CAJHMG	Neg	RSID	Neg	RSID
CC8V6Z	Neg	Seratec AMY	Neg	Seratec AMY
CZY7DQ	Neg	Amylase Diffusion	Neg	Amylase Diffusion
D23BFC	Neg	Amylase	Neg	Amylase
D32AYK	Neg	RSID	Neg	RSID
D8882X	Neg	RSID	Neg	RSID
DA4EVB	Neg	RSID	Neg	RSID
DHC6XE	Neg	RSID	Neg	RSID
DNNTXB	Neg	RSID	NT	
E7Z3AV	Neg	Phadebas	Neg	Phadebas
EAYD7V	Neg	Phadebas	Neg	Phadebas
EGD9Z4	Neg	Amylase Seratec Card	Neg	Amylase Seratec Card
EKDBBY	Neg	Phadebas	Neg	Phadebas
ERHZ36	Neg	Phadebas	Neg	Phadebas
EYBMGH	Neg	RSID	Neg	RSID
FGTVA6	Neg	Phadebas	Neg	Phadebas
FUYYJ7	Neg	RSID	Neg	RSID
GAQBB8	Neg	RSID	Neg	Phadebas
GB8837	Neg	RSID	Neg	RSID
GEGPV8	Neg	Amylase	Neg	Amylase
GMCQE7	Neg	RSID	Neg	RSID
HBL6UW	Neg	Phadebas	Neg	Phadebas
HGN63D	Neg	RSID	Neg	RSID
HMVUL8	Neg	Phadebas	Neg	Phadebas
HQB2A7	Neg	RSID	Neg	RSID
HX7DU2	Neg	Seratec Amylase	Neg	Seratec Amylase
J2B39W	Neg	Phadebas	Neg	Phadebas
JDJYZD	Neg	Phadebas	Neg	Phadebas
JNF368	Neg	SALIgAE	Neg	SALIgAE
K98B22	Neg	RSID	Neg	RSID
KKCQLC	Neg	RSID	Neg	RSID
L6JJ46	Neg	SALIgAE	Neg	SALIgAE
LFZ3M2	Neg	RSID	Neg	RSID
LLMT8B	Neg	RSID Saliva	Neg	RSID Saliva

TABLE 1c

WebCode	Saliva Screening Results			
	Item 3		Item 4	
LYDKY7	Neg	RSID	Neg	RSID
MGB6AY	Neg	RSID	Neg	RSID
MP3P7K	Neg	RSID-Saliva	Neg	RSID-Saliva
MWXUX2	Neg	RSID Saliva	Neg	RSID Saliva
NWHRZT	Neg	RSID	Neg	RSID
Q4CJLR	Neg	RSID	Neg	RSID
QR2X8Z	Neg	SALIgAE	Neg	SALIgAE
RNQLMG	Neg	RSID	Neg	RSID
TBWM7X	Neg	RSID Saliva	Neg	RSID Saliva
TJUEER	Neg	RSID	Neg	RSID
TJXWL4	Neg	RSID	Neg	RSID
TPLF78	Neg	Amylase Diffusion	Neg	Amylase Diffusion
TR6GZT	Neg	RSID	Neg	RSID
U4ELER	Neg	ALS, Phadebas	Neg	ALS, Phadebas
U9ENPM	NT		Neg	RSID
UMUVFT	Neg	RSID	NT	
VECVAF	Neg	RSID-Saliva	Neg	RSID-Saliva
VGHCPY	Neg	RSID	Neg	RSID
VLBGJ3	Neg	RSID	Neg	RSID
VY33NX	Neg	RSID	Neg	RSID
W2PYWP	Neg	RSID-Saliva	Neg	RSID-Saliva
WAD4EN	Neg	RSID	Neg	RSID
WGF4ZC	Neg	Phadebas	Neg	Phadebas
WH8ZP7	Neg	RSID Saliva	Neg	RSID Saliva
WX3CA4	Neg	Phadebas	Neg	Phadebas
XQKCFC	Neg	Phadebas	Neg	Phadebas
Y9TVMY	Neg	RSID	Neg	RSID
YTHCVY	Neg	Phadebas	Neg	Phadebas
YY8PWM	Neg	Phadebas, RSID Saliva	Neg	Phadebas, RSID Saliva

Table 1c: Serology Screening Response Summary - Saliva

Participants: 95

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

	Item 3	Item 4
Positive	0	0
Negative	93	90
Inconclusive	0	0
Not Tested (NT)	2	5
Not Reported	0	0

Serology Screening Results

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

TABLE 1d

WebCode	Human Origin Screening Results		
	Item 3		Item 4
2EXCFK	Pos	PowerQuant	Pos PowerQuant, HemaTrace
2K3AKH	NT		Pos HemaTrace
2QPZ8D	Pos	PCR	Pos PCR
2YK39P	Pos	HemaTrace	Pos HemaTrace
2ZCWCK	Pos	Powerquant	Pos HemaTrace, Powerquant
3KZV2F	Pos	Quant Trio	Pos Quant Trio
3LQ42J	Pos	PowerQuant, HemaTrace	Pos PowerQuant, HemaTrace
4TTMMF	Pos	QuantTrio	Pos QuantTrio
62EXNU	Pos	Quantifiler Trio	Pos Quantifiler Trio
6KAQAR	Pos	Y-Screen	Pos Y-Screen
6V6QXP	Pos	HemaTrace	Pos HemaTrace
7FQ6PJ	Pos	HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
8TBXZC	NT		Pos HemaTrace
99GM89	Pos	Seratec PMB	Pos Seratec PMB
9DFR9U	Pos	Quant	Pos Quant
9NCVDM	Pos		Pos
9Z72KZ	Pos		Pos
A2GENM	Pos	Casework Direct	Pos Casework Direct
A7BBDE	Pos	PowerQuant	Pos PowerQuant
A8LDYD	Pos	PowerQuant	Pos PowerQuant
AC2KMC	Pos	HemaTrace, PowerQuant	Pos HemaTrace, PowerQuant
AWQ4EP	Pos	QuantTrio	Pos QuantTrio
AXH3TM	Pos	Y-Screening	Pos Y-Screening
B6BVDM	Pos		Pos
B9WG6N	Pos	HemaTrace	Pos HemaTrace
BKBA2B	Pos	PowerQuant	Pos PowerQuant
BYRCGE	Pos	HemaTrace	Pos HemaTrace
C8WYLJ	Pos		Pos
CC8V6Z	Pos	Seratec HEM	Pos Seratec HEM
CZR9UD	Pos	HemaTrace, Quant Trio	Pos HemaTrace, Quant Trio
CZY7DQ	NT		Pos HemDirect
D23BFC	Pos	Quant Trio	Pos Quant Trio
D68UP7	Pos	HemaTrace	NT

TABLE 1d

WebCode	Human Origin Screening Results			
	Item 3		Item 4	
DA4EVB	Pos	PowerQuant	Pos	PowerQuant
DBXA46	Pos	Quantifiler Trio	Pos	Quantifiler Trio
DKYRQ2	Pos	PCR	Pos	PCR
DNNTXB	Pos	PowerQuant	Pos	PowerQuant
DWY9Q4	Pos	Quant trio and PP21	Pos	Quant trio and PP21
E4VAHH	Pos		Pos	
EACZUB	Pos	Hemdirect	Pos	Hemdirect
EGD9Z4	Pos	Seratec Hemdirect	Pos	Seratec Hemdirect
ERHZ36	Pos	Quant Trio	Pos	Quant Trio
FGTVA6	Pos	ABAcard HT	Pos	ABAcard HT
GAQBB8	Pos	PowerQuant	Pos	PowerQuant
GB8837	Pos	PowerQuant	Pos	PowerQuant
GMCQE7	Pos	PowerQuant	Pos	PowerQuant
HBL6UW	Pos	Quant Trio	Pos	Quant Trio
HK4XWD	Pos		Pos	
HMVUL8	Pos	PowerQuant	Pos	PowerQuant, HemaTrace
HQB2A7	Pos	PowerQuant	Pos	PowerQuant
HVLCZF	Pos	Casework Direct	Pos	Casework Direct
HX7DU2	Pos	Seratec PMB Test	Pos	Seratec PMB Test
HX9XQH	Pos	HemaTrace	NT	
J2B39W	Pos	Quant Trio	Pos	Quant Trio
J8R23A	Pos	HemaTrace	Pos	HemaTrace
JDJYZD	Pos	Quantifiler Trio	Pos	Quantifiler Trio
JNF368	Pos	HemaTrace	Pos	HemaTrace
KLMHR8	Pos	PPF/Y23	Pos	PPF/Y23
KYCEU6	Pos	Quant TRIO, HemaTrace	Pos	Quant TRIO, HemaTrace
L6JJ46	Pos	HemaTrace	Pos	HemaTrace
LGR22Y	Pos	RSID-Blood	Pos	RSID-Blood
NKYDL6	NT		Pos	HemaTrace
NTZJQ8	Pos		Pos	
NWHRZT	Pos	PP21, Quant Trio	Pos	PP21, Quant Trio
QR2X8Z	Pos	HemaTrace	Pos	HemaTrace
R78P63	Pos	HemaTrace	NT	
TGBDK7	NT		Pos	HemDirect
TH2CY4	Pos	Y-Screening	Pos	Y-Screening

TABLE 1d

WebCode	Human Origin Screening Results			
	Item 3		Item 4	
TPLF78	NT		Pos	HemDirect
U9ENPM	Pos	PP21	Pos	PP21
UMUVFT	Pos	Powerquant	Pos	Powerquant
V9P2F4	Pos	PSA		
VAZYQZ	Pos	CWD (Y-Screening)	Pos	CWD (Y-Screening)
W2PYWP	Pos	PowerQuant	Pos	HemaTrace, PowerQuant
WE6BXW	Pos	Hématrace	Pos	Hématrace
WH8ZP7	Pos	Quant	Pos	Quant
WPB83N	Pos	RSID-Blood	Pos	RSID-Blood
XL8Q9Q	Pos	PowerQuant	Pos	PowerQuant
XRW4BE	Pos	HemDirect	Pos	HemDirect
XUCPRZ	Pos	SeraTec Card	NT	
YCXLWZ	Pos	HemDirect	NT	
YHL2PD	Pos	HemDirect	Pos	HemDirect
YTHCVY	Pos	Quant Trio	Pos	Quant Trio
YY8PWM	Pos	PowerQuant	Pos	PowerQuant, HemaTrace
Z9DXVZ	Pos	RSID HemaTrace	Pos	RSID HemaTrace

Table 1d: Serology Screening Response Summary - Human Origin			Participants: 85
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	Item 4	
Positive	79	79	
Negative	0	0	
Inconclusive	0	0	
Not Tested (NT)	6	5	
Not Reported	0	1	

Serology Screening Results

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

TABLE 1e

WebCode	Y Screening Results			
	Item 3		Item 4	
2QPZ8D	Pos	PCR	Pos	PCR
3KZV2F	Pos	Quant Trio	Pos	Quant Trio
4TTMMF	Pos	QuantTrio	Pos	QuantTrio
62TJXV	Pos	Quantifiler Trio	Pos	Quantifiler Trio
64XYJF	Pos		Pos	
6KAQAR	Pos	Y-Screen	Pos	Y-Screen
7FQ6PJ	Pos	Quant Trio	Pos	Quant Trio
7HJN2J	Pos	NaOH	Pos	NaOH
7LH3P9	Pos	Y-screen	Pos	Y-screen
7TBKTJ	Pos	PowerQuant	Pos	PowerQuant
8XLUJR	Pos	NaOH lysis	Pos	NaOH lysis
99GM89	Pos	Quant Trio	Pos	Quant Trio
9DFR9U	Pos	Quant	Pos	Quant
9NCVDM	Pos		Pos	
A2GENM	Pos	Casework Direct	Pos	Casework Direct
AXH3TM	Pos	Y-Screening	Pos	Y-Screening
AYA69B	Pos	Y-Screening	Pos	Y-Screening
B6BVDM	Pos		Pos	
B9WG6N	Pos		NT	
C8WYLJ	Pos		Pos	
CZR9UD	Pos	Quant Trio	Pos	Quant Trio
D23BFC	Pos	Quant Trio	Pos	Quant Trio
DBXA46	Pos	Quantifiler Trio	Pos	Quantifiler Trio
DKYRQ2	Pos	PCR	Pos	PCR
DWY9Q4	Pos	Quant trio and PP21	Pos	Quant trio and PP21
E4VAHH	Pos		Pos	
E8RYYP	Pos	Quant Trio	Pos	Quant Trio
EDBBPB	Pos	Powerquant	Pos	Powerquant
ERHZ36	Pos	Quant Trio	Pos	Quant Trio
GEGPV8	Pos	NaOH	Pos	NaOH
GJTDTJ	Pos		Pos	
HBL6UW	Pos	Quant Trio	Pos	Quant Trio
HK4XWD	Pos	Casework direct	Pos	Casework direct
HVLCZF	Pos	Casework Direct	Pos	Casework Direct
J2B39W	Pos	Quant Trio	Pos	Quant Trio

TABLE 1e

WebCode	Y Screening Results			
	Item 3		Item 4	
J9PXZJ	Pos	Quant Trio	Pos	Quant Trio
JDJYZD	Pos	Quantifiler Trio	Pos	Quantifiler Trio
JNF368	NT		Pos	
KLMHR8	Pos	Y23/Amelogenin/DYS391	Pos	Y23/Amelogenin/DYS391
KYCEU6	Pos	Quant TRIO	Pos	Quant TRIO
MCXJ3D	Pos	TRIO	Pos	TRIO
NTZJQ8	Pos		Pos	
NWHRZT	Pos	YFP, Quant Trio	Pos	YFP, Quant Trio
R4NNAF	Pos	NaOH Male Screen	Pos	NaOH Male Screen
RNQLMG	Pos		Pos	
TGBDK7	Pos	Y-screen with Trio	NT	
TH2CY4	Pos	Y-Screening	Pos	Y-Screening
TJUEER	Pos	Y-screening	Pos	Y-screening
TR6GZT	Pos		Pos	
U9ENPM	Pos	PP21, Quant Trio	Pos	PP21, Quant Trio
VAZYQZ	Pos	CWD (Y-Screening)	Pos	CWD (Y-Screening)
WAD4EN	Pos		Pos	
WH8ZP7	Pos	Quant	Pos	Quant
WLQ2KR	Pos	PowerQuant	Pos	PowerQuant
WX3CA4	Pos	NaOH Lysis	Pos	NaOH Lysis
XRC867	Pos	Trio	Pos	Trio
YCH3C3	Pos	TRIO	Pos	TRIO

Table 1e: Serology Screening Response Summary - Y Screening		Participants: 57
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.		
	Item 3	Item 4
Positive	56	55
Negative	0	0
Inconclusive	0	0
Not Tested (NT)	1	2
Not Reported	0	0

Serology Screening Results

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

TABLE 1f

| WebCode | Other Screening Results | | | | | |
	Item 3			Item 4		
99GM89	Menstrual Blood	Neg	Seratec PMB	Menstrual Blood	Neg	Seratec PMB
C3KT7D				urine	Neg	RSID-urine
EACZUB	H&E Slide	Pos	+2H		Pos	
EGD9Z4	Menstrual Blood	Neg	Seratec PMB	Menstrual Blood	Neg	Seratec PMB
GEGPV8				Urine	Neg	RSID
HX7DU2	Menstrual Blood	Neg	Seratec PMB Test	Menstrual Blood	Neg	Seratec PMB Test
J3D27H	Semen	Neg	ALS	Semen	Neg	ALS
RM4XBG				urine		
WQ83Q6				High Friction		

STR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - STR Results

27JMFQ — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

2CP8DW — NGM SElect (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18		
	13,14	12,15	15,20		11,14
15,20	13,15	28,30	15,16	X,X	
19,23			18,30.2	6,10	
15,18					

2EXCFK — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

2K3AKH — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

2KGG7Z — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

2LU9YG — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

2LV7AC — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

2M4HPT — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

2NE84Y — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

2PFXJU — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

2TA22Z — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

2TVKWY — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

2VY3A9 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	No result			No result	

TABLE 2

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

Item 1 - STR Results

2YK39P   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Item 1

2ZCWCK   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Item 1

33E7RV   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	no results			no results	

Item 1

36KQGG   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

373BCY   PowerPlex® 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18					

Item 1

3J2NMG   GlobalFiler™ GFE

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

3KZV2F   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

TABLE 2

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

Item 1 - STR Results

3LQ42J — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

3NCWML — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

3NHKCZ — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

3PA6V6 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	--			--	

3Q7GZL — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

3UJGWC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

3VANVF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

3W3GRY GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

3W9KUQ PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

3X499F GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

47C9WM GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	NT
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	NT	NT	18,30.2	6,10	8,11
15,18	NR	NT	NT	NR	

4J2Y47 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

4LKZYR GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	no results			no results	

4QXZVJ GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

4TNBZJ PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

4TRK8H GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

4TTMMF PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19		17,18	11,12	12,13
8,10	13,14		15,20	11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23	10,13	10,11		6,10	8,11
15,18					

4VCNH2 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

62EXNU GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	No Results			No Results	

62TJXV Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

64XYJF GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

6E6UN7 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

6JFR8M — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

6MTR4E — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18	NR	NR	NR		

6QR7R4 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	NT
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	NT	NT	18,30.2	6,10	8,11
15,18	NT	NT	NT	NT	

6UDRKQ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	no results			no results	

6V6QXP — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

6WK4P8 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

74XHJN GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

7ANLZ8 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

7D4GDJ PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

7D74VX GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

7FQ6PJ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

7LH3P9 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

7N24JU GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

7TXVRR — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

7V646H — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	N/A			N/A	

7X7B2F — PowerPlex® Fusion 5C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18	NR				

7XRXLJ — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

7ZG3KH — PowerPlex® Fusion 6C Direct

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

7ZZVDE — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

83ZLWY — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

86JMRL — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

86RHLT — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

88BJGF — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18	NR				

8BAW2J — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

8F7ENC — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

8TBXZC — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

8TVEHZ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

8V3TN7 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

8VVV6T GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

8WEFCL GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

8XLUJR GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X	12,12
19,23			18,30.2	6,10	8,11
15,18					

96FM6Q GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

97FDJL PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

97UYV9 PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

99GM89 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X,X	12
	19,23			18,30.2	6,10	8,11
	15,18					

9AFJ6J PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

9BNWKZ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

9D9UPH GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

9DFR9U GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

9PA9WA PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

9QGDNC Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18	NR				

TABLE 2

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

Item 1 - STR Results

9RWW8A — PowerPlex® Fusion 5C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18	NR				

9TNTW4 — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

9VHD93 — GlobalFiler™ Express

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

9YFULW — GlobalFiler™ Express

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

9Z72KZ — GlobalFiler™ (STRMIX)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

A24PLB — GlobalFiler™ Express

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

A7BBDE — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

A8LDYD PowerPlex® Fusion 6C

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

AC2KMC PowerPlex® Fusion 6C

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

AELLHY GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

AG8LGE

Item						
1	N					

AMGNJA PowerPlex® 6C

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NR	NR	NR		

ARRQQZ GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

AW4MBF GlobalFiler™ (STRmix)

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

AWQ4EP — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	No Results			No Results	

AYA69B — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

AZ24MA — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18	NR	NR	NR		

B3AP22 — PowerPlex® Fusion 6C Direct

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

B7PBHM — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

B9UV99 — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18	NR	NR	NR		

B9WG6N — Identifiler® Plus

	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

BE2FHY   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NID	NID	NID		

BKBA2B   PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

BNCH3Z   PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NID	NID	NID		

BYRCGE   PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

CAJHMG   PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

CC8V6Z   GlobalFiler™

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

CZR9UD   GlobalFiler™

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

CZY7DQ GlobalFiler™ Express

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

D23BFC GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

D32AYK PowerPlex® Fusion 6C

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

D68UP7 GlobalFiler™ Express

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

D8882X ForenSeq Signature

Item						
1	16,16.3	18,19	11,15	17,18	11,12	12,13
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18					

DA4EVB PowerPlex® Fusion 6C

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

DAEHZM GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

TABLE 2

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

Item 1 - STR Results

DBXA46 — PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19		17,18	11,12	12,13
8,10	13,14		15,20	11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23	10,13	10,11		6,10	8,11
15,18					

DEEHR6 — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

DF6V2B — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	NR
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	NR	NR	18,30.2	6,10	8,11
15,18	NR	NR	NR	NR	

DHC6XE — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

DHXJLQ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	-			-	

DJ8TC3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

DNJQVJ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

DNNTXB   PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

DQ9UTW   GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	No results			No results	

DWY9Q4   PowerPlex® 21 (STRmix)

Item						
1	16,16.3	18,19		17,18	11,12	12,13
	8,10	13,14		15,20	11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23	10,13	10,11		6,10	8,11
	15,18					

DYHALQ   GlobalFiler™ Express (STRmix)

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18	-			-	

E7Z3AV   GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

E8RYYP   GlobalFiler™

Item						
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

EACZUB   Identifiler®

Item						
1		18,19		17,18	11,12	
	8,10	13,14			11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23				6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

EAYD7V	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

ECJEZG	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	no results			no results	

EGD9Z4	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X,X	12
	19,23			18,30.2	6,10	8,11
	15,18					

EJLEL6	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

EKDBBY	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

EKWGAP	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18	-			-	

ERHZ36	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

ET46ZG	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	no result			no result	
EU32XQ	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
EYBMGH	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
F9JEL7	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
FE9UEJ	GlobalFiler™ (STRmix)					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					
FFKTAR	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	
FGTVA6	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

FLKCA3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Item 1

FUYYJ7 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

FYBW3M — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

G7Q8GY — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Item 1

G8G7VX — Investigator® 24plex GO! (TrueAllele)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

GAQBB8 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Item 1

GB26ZF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

Item 1

TABLE 2

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

Item 1 - STR Results

GB8837	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					
GDQ9XT	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	no results			no results	
GG9NA7	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
GJQTX3	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18	NR	NR	NR		
GJTDTJ	Identifiler®					
		18,19		17,18	11,12	
1	8,10	13,14			11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23				6,10	8,11
	15,18					
GLKC8G	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					
GMCQE7	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

GPJQV8   GlobalFiler™ Express

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

GXUCGF   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

H6B3M8   PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

H8Z8L7   PowerPlex® Fusion 6C Direct

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

HBGNKC   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

HBL6UW   GlobalFiler™ (STRmix 2.7.0)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

HG2WUV   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

HGN63D — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

HMVUL8 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

HPEVGT — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X,X	12
19,23			18,30.2	6,10	8,11
15,18					

HPV6FL — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	-			-	

HQB2A7 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

HX7DU2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X,X	12
19,23			18,30.2	6,10	8,11
15,18					

HX9XQH — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

J2B39W — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

J3D27H — GlobalFiler™ Express

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

J68Z9M — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

J8R23A — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

J9PXZJ — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

JCJ9LH — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

JDJYZD — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

JN472M   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

JNF368   PowerPlex® Fusion 6C (STRmix)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

JNJPLK   GlobalFiler™ Express (STRmix)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	-			-	

JQM8VA   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

JRJTFT   PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

K3BTEA   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

K98B22   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

KKCQLC — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

KLMHR8 — PowerPlex® 5C

16,16.3	18,19	11,15	17,18	11,12	-
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	-	6,10	8,11
15,18	-	-	-	-	

KQJBU3 — PowerPlex® Fusion 6C Direct

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

KVXB8G — Identifiler® Plus

	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

KYCEU6 — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	NT
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	NT	NT	18,30.2	6,10	8,11
15,18	NR	NT	NT	NR	

KZUDF4 — PowerPlex® Fusion 6C Direct

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

L2HAYU — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

L6JJ46 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

LFZ3M2 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

LGR22Y GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

LKCZ8G GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	-
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X,X	12
	19,23	-	-	18,30.2	6,10	8,11
	15,18	NM	-	-	NM	

LLMT8B GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

LUZQT9 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	-			-	

LXEN2W GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	-			-	

TABLE 2

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

Item 1 - STR Results

LYDKY7 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

M3PYR6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

M4ZUJN GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

M7RQ9H GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

MCXJ3D Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

MEHKWZ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

MGB6AY GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X,X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

MP3P7K

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

MPKTMX GlobalFiler™ Express

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

MWHGKP PowerPlex® Fusion 6C Direct

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

MWXUX2 GlobalFiler™ (GeneMapper ID-X 1.5)

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

MXD28P GlobalFiler™

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

MYQEAZ PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

MZX33B GlobalFiler™

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

NA2D9Z   GlobalFiler™

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

NFDEGQ   PowerPlex® Fusion 6C

1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

NHWFBC   GlobalFiler™ Express

1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

NJ96M2   PowerPlex® Fusion 6C

1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

NKMGJL   GlobalFiler™

1	16,16.3	18,19	11,15	17,18	11,12	NT
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	NT	NT	18,30.2	6,10	8,11
	15,18	NR	NT	NT	NR	

NKYDL6   GlobalFiler™

1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

NMRABY   PowerPlex® Fusion 5C

1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18	NR				

TABLE 2

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

Item 1 - STR Results

NV2P3T   PowerPlex® Fusion 6C

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

NWHRZT   PowerPlex® 21 (GeneMapper IDX)

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19		17,18	11,12	12,13
	8,10	13,14		15,20	11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23	10,13	10,11		6,10	8,11
	15,18					

NXCGAN   GlobalFiler™

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

NZDLM9   GlobalFiler™

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

P73CVP   PowerPlex® Fusion 6C, GlobalFiler™ Express

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

P9LDPB   GlobalFiler™ Express (STRmix)

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

PBW7TQ   GlobalFiler™

1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

PRLGET — PowerPlex® Fusion 6C Direct

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

PZVRLY — Investigator® 24plex QS (STRmix)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

Q4CJLR — Investigator® 24plex GO!

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	NR				

Q64L2F — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

Q94WXF — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

QBMXT2 — GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

QE9N9Y — PowerPlex® Fusion 6C

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

QGZRXY	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					
QQJ7YF	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	
QR2X8Z	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					
QU48T3	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					
QVV4HW	PowerPlex® Fusion 5C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18	NR				
R4NNAF	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	
R4QA7W	PowerPlex® Fusion 6C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

R62DB8   GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

R6XXX8   PowerPlex® Fusion

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18					

R78P63   Identifiler®

	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

R7ADLF   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	No results			No Results	

RBN986   Investigator® 24plex

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

RCYWMB   GlobalFiler™ Express

16,16.3	18,19	11,15	17,18	11,12	-
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X,X	12
19,23	-	-	18,30.2	6,10	8,11
15,18	NM	-	-	NM	

RNQLMG   GlobalFiler™

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

RWQW2L — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

RYJ7BB — Identifiler® Plus (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

T6UFRV — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

T78ZJ7 — PowerPlex® Fusion 6C (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

T8LPMH — GlobalFiler™ (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

T9DLCC — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

TAMHTA — GlobalFiler™ Express (Item 1)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X,X	12
19,23			18,30.2	6,10	8,11
15,18	NM			NM	

TABLE 2

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

Item 1 - STR Results

TBWM7X	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	-			-	
TGBDK7	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
TJUEER	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
TJXWL4	GlobalFiler™					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					
TK68H8	GlobalFiler™ (STRMix)					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					
TNP9CT	PowerPlex® Fusion 5C					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11		6,10	8,11
	15,18	NR				
TPLF78	GlobalFiler™ Express					
	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

TQHTNT — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TR6GZT — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TW2876 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TY63P8 — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	-
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X,X	12
	19,23	-	-	18,30.2	6,10	8,11
	15,18	NM	-	-	NM	

U2VCLU — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	NR			NR	

U9ENPM — PowerPlex® 21

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19		17,18	11,12	12,13
	8,10	13,14		15,20	11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23	10,13	10,11		6,10	8,11
	15,18					

UBYPJA — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

UMUVFT — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

V2PK8J — Investigator® 24plex GO!

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18	none				

V9P2F4 — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1		18,19		17,18	11,12	
	8,10	13,14			11,11	11,14
	15,20	13,15	28,30		X,X	12,12
	19,23				6,10	8,11
	15,18					

VDXKFH — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

VECVAF — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

VGHCPY — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

VKXTY4 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

VLBGJ3 — PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

VP8A9R — Investigator® 24plex QS (STRmix)

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23			18,30.2	6,10	8,11
	15,18					

VY33NX — PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

W2PYWP — PowerPlex® Fusion 6C

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

W8QF4N — GlobalFiler™

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

WAD4EN — GlobalFiler™ (STRmix)

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

WC7NRN — GlobalFiler™ Express

	16,16.3	18,19	11,15	17,18	11,12	
1	8,10	13,14	12,15	15,20	11	11,14
	15,20	13,15	28,30	15,16	X	12
	19,23			18,30.2	6,10	8,11
	15,18					

TABLE 2

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

Item 1 - STR Results

WCMVYQ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

WE6BXW — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

WEC9G9 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

WFHLB4 — Investigator® 24plex (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR				

WGF4ZC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

WH8ZP7 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

WJY6VX — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	No results			No results	

TABLE 2

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

Item 1 - STR Results

WPB83N — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

WQ83Q6 — Identifiler®

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

WTQEQM — GlobalFiler™ Express

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

WX3CA4 — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

XJDR8L — PowerPlex® Fusion 5C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18	NR				

XJGADW — PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

XL8Q9Q — PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

XQKCFC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

XRC867 — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

XRW4BE — GlobalFiler™ GlobalFiler Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

XUCPRZ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X,X	12
19,23			18,30.2	6,10	8,11
15,18					

Y9TVMY — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

YCH3C3 — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

YCXLWZ — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

YHL2PD   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	NR			NR	

YJHLCD   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

YL2M7Y   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

YTHCVY   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18	No Results			No Results	

YY2LUV   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18	No Results			No Results	

YY8PWM   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

Z8GD9Z   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 1 - STR Results

Z9DXVZ — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19		17,18	11,12	
8,10	13,14			11,11	11,14
15,20	13,15	28,30		X,X	12,12
19,23				6,10	8,11
15,18					

ZGQT3F — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23			18,30.2	6,10	8,11
15,18					

ZL3TBZ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

ZLXDYY — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18	NT				

ZP248Z — GlobalFiler™ (STRmix v2.6)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23			18,30.2	6,10	8,11
15,18					

ZPXPUY — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18	NT				

ZRL62L — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11	11,14
15,20	13,15	28,30	15,16	X	12
19,23	10,13	10,11		6,10	8,11
15,18	NR				

TABLE 2

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

Item 2 - STR Results

27JMFQ PowerPlex® Fusion 6C

Item						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

2CP8DW NGM SElect

Item						
2	14,15	24,25	13,14	15,15		
		13,15	14,15	18,21		11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	
	22,23			18,20	6,9	
	17,19					

2EXCFK PowerPlex® Fusion 6C

Item						
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

2K3AKH GlobalFiler™

Item						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

2KGG7Z GlobalFiler™

Item						
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

2LU9YG PowerPlex® Fusion 6C

Item						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

2LV7AC GlobalFiler™

Item						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

2M4HPT   PowerPlex® Fusion 6c

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2NE84Y   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2PFXJU   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2TA22Z   GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2TVKWY   GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2VY3A9   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2YK39P   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

2ZCWCK — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

33E7RV — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10		2		

36KQGG — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10		2		

373BCY — PowerPlex® Fusion (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

3J2NMG — GlobalFiler™ GFE (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10		2		

3KZV2F — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10		2		

3LQ42J — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

3NCWML — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3NHKCZ — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

3PA6V6 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3Q7GZL — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3UJGWC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3VANVF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3W3GRY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

3W9KUQ — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

3X499F — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

47C9WM — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	NT
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NT	NT	18,20	6,9	8,9
	17,19	10	NT	NT	2	

4J2Y47 — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

4LKZYR — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

4QXZVJ — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

4TNBZJ — PowerPlex® Fusion 6C Direct

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

4TRK8H   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

4TTMMF   PowerPlex® 21

14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

4VCNH2   GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

62EXNU   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

62TJXV   Investigator® 24plex QS

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

64XYJF   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

6E6UN7   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
6JFR8M GlobalFiler™						
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
6MTR4E PowerPlex® Fusion 6C						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
6QR7R4 GlobalFiler™						
2	14,15	24,25	13,14	15,15	10,13	NT
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NT	NT	18,20	6,9	8,9
	17,19	10	NT	NT	2	
6UDRKQ GlobalFiler™						
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
6V6QXP Identifiler® Plus						
2		24,25		15,15	10,13	
	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23				6,9	8,9
	17,19					
6WK4P8 GlobalFiler™						
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
74XHJN GlobalFiler™						
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

7ANLZ8	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7D4GDJ	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

7D74VX	GlobalFiler™ Express					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

7FQ6PJ	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7LH3P9	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

7N24JU	GlobalFiler™ Express					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7TXVRR	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

7V646H GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

7X7B2F GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

7XRXLJ PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

7ZG3KH PowerPlex® Fusion 6C Direct

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

7ZZVDE GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

83ZLWY GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

86JMRL GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

TABLE 2

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

Item 2 - STR Results

86RHLT   GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

88BJGF   PowerPlex® Fusion 5C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

8BAW2J   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

8F7ENC   PowerPlex® Fusion 6C Direct

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

8TBXZC   GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

8TVEHZ   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

8V3TN7   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

8VVV6T   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

8WEFCL   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

8XLUJR   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

96FM6Q   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

97FDJL   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

97UYV9   PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

99GM89   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

TABLE 2

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

Item 2 - STR Results

9AFJ6J — PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 2)

9BNWKZ — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

9D9UPH — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

9DFR9U — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

9PA9WA — PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 2)

9QGDNC — PowerPlex® Fusion 5C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

(Item 2)

9RWW8A — PowerPlex® Fusion 5C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

(Item 2)

TABLE 2

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

Item 2 - STR Results

9TNTW4 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

9VHD93 GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

9YFULW GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

9Z72KZ GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

A24PLB GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

A7BBDE PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

A8LDYD PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

AC2KMC	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	8,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

AELLHY	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AMGNJA	PowerPlex® 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

ARRQQZ	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AW4MBF	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AWQ4EP	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AYA69B	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

AZ24MA PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

B3AP22 PowerPlex® Fusion 6C Direct (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

B7PBHM GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

B9UV99 PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

B9WG6N Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

BE2FHY GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

BKBA2B PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

BNCH3Z   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

BYRCGE   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

CAJHMG   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

CC8V6Z   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

CZR9UD   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

CZY7DQ   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

D23BFC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

D32AYK — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

D68UP7 — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

D8882X — ForenSeq Signature (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	11,19
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

DA4EVB — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

DAEHZM — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	[X],Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

DBXA46 — PowerPlex® 21 (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

DEEHR6 — Investigator® 24plex QS (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

TABLE 2

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

Item 2 - STR Results

DF6V2B — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	NR
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NR	NR	18,20	6,9	8,9
	17,19	10	NR	NR	2	

DHC6XE — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

DHXJLQ — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

DJ8TC3 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

DNJQVJ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

DNNTXB — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

DQ9UTW — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

DWY9Q4 PowerPlex® 21 (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

DYHALQ GlobalFiler™ Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

E7Z3AV GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

E8RYYP GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EACZUB Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

EAYD7V GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ECJEZG GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

EGD9Z4 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EJLEL6 — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EKDBBY — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EKWGAP — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ERHZ36 — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ET46ZG — GlobalFiler™ — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EU32XQ — GlobalFiler™ Express — Item 2

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

TABLE 2

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

Item 2 - STR Results

EYBMGH	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
F9JEL7	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
FE9UEJ	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
FFKTAR	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
FGTVA6	GlobalFiler™ Express					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
FLKCA3	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
FUYYJ7	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,18	10			2	

TABLE 2

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

Item 2 - STR Results

FYBW3M   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

G7Q8GY   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

G8G7VX   Investigator® 24plex GO! (TrueAllele)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

GAQBB8   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

GB26ZF   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

GB8837   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

GDQ9XT   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

GG9NA7 — GlobalFiler™ Express (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

GJQTX3 — PowerPlex® Fusion 6C (Item 2)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GJTDTJ — Identifiler® (Item 2)

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

GLKC8G — PowerPlex® Fusion 6C (Item 2)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GMCQE7 — PowerPlex® Fusion 6C (Item 2)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GPJQV8 — GlobalFiler™ Express (Item 2)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

GXUCGF — GlobalFiler™ (Item 2)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

H6B3M8 PowerPlex® Fusion 6C

2	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

H8Z8L7 PowerPlex® Fusion 6C Direct

2						
	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

HBGNKC GlobalFiler™

2						
	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

HBL6UW GlobalFiler™ (STRmix 2.7.0)

2						
	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

HG2WUV GlobalFiler™

2						
	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

HGN63D PowerPlex® Fusion 6C

2						
	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

HMVUL8 PowerPlex® Fusion 6C

2						
	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

HPEVGT — GlobalFiler™ (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

HPV6FL — GlobalFiler™ Express (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

HQB2A7 — PowerPlex® Fusion 6C (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

HX7DU2 — GlobalFiler™ (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

HX9XQH — Identifiler® Plus (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

J2B39W — GlobalFiler™ (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

J3D27H — GlobalFiler™ Express (Item 2)

D1S1656 / ...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

J68Z9M   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

J8R23A   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

J9PXZJ   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

JCJ9LH   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

JDJYZD   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

JN472M   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

JNF368   PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

TABLE 2

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

Item 2 - STR Results

JNJPLK	GlobalFiler™ Express (STRmix)					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

JQM8VA	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

JRJTFT	PowerPlex® Fusion 6C Direct					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

K3BTEA	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

K98B22	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

KKCQLC	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

KLMHR8	PowerPlex® 5C					
	14,15	24,25	13,14	15	10,13	--
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	--	6,9	8,9
	17,19	10	--	--	--	

TABLE 2

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

Item 2 - STR Results

KQJBU3 — PowerPlex® Fusion 6C Direct — Item 2

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

KVXB8G — Identifiler® Plus — Item 2

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

KYCEU6 — GlobalFiler™ — Item 2

14,15	24,25	13,14	15,15	10,13	NT
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	NT	NT	18,20	6,9	8,9
17,19	10	NT	NT	2	

KZUDF4 — PowerPlex® Fusion 6C Direct — Item 2

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

L2HAYU — PowerPlex® Fusion 6C — Item 2

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

L6JJ46 — PowerPlex® Fusion 6C — Item 2

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

LFZ3M2 — GlobalFiler™ — Item 2

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

LGR22Y	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LKCZ8G	GlobalFiler™ Express					
	14,15	24,25	13,14	15	10,13	-
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	-	-	18,20	6,9	8,9
	17,19	10	-	-	2	
LLMT8B	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LUZQT9	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LXEN2W	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LYDKY7	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
M3PYR6	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

M4ZUJN — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

M7RQ9H — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

MCXJ3D — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

MEHKWZ — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

MGB6AY — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

MP3P7K

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

MPKTMX — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

Item 2 - STR Results

MWHGKP — PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

MWXUX2 — GlobalFiler™ (GeneMapper ID-X 1.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	20,23			18,20	6,9	8,9
	17,19	10			2	

MXD28P — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

MYQEAZ — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

MZX33B — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

NA2D9Z — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

NFDEGQ — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 2 - STR Results

NHWFBC GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

NJ96M2 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

NKMGJL GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	NT
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NT	NT	18,20	6,9	8,9
	17,19	10	NT	NT	2	

NKYDL6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

NMRABY PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19	10				

NV2P3T PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

NWHRZT PowerPlex® 21 (GeneMapper IDX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	14,15	24,25		15,15	10,13	11,19
	8,10	13,15		18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19					

TABLE 2

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

Item 2 - STR Results

NXCGAN	GlobalFiler™					
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
NZDLM9	GlobalFiler™					
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
P73CVP	PowerPlex® Fusion 6C, GlobalFiler™ Express					
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18	2	
P9LDPB	GlobalFiler™ Express (STRmix)					
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
PBW7TQ	GlobalFiler™					
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
PRLGET	PowerPlex® Fusion 6C Direct					
2	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
PZVRLY	Investigator® 24plex QS (STRmix)					
2	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

TABLE 2

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

Item 2 - STR Results

Q4CJLR — Investigator® 24plex GO!

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

Q64L2F — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Q94WXF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

QBMXT2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

QE9N9Y — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

QGZRXY — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

QQJ7YF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

QR2X8Z — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

QU48T3 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

QVV4HW — PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19	10				

R4NNAF — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

R4QA7W — PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

R62DB8 — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

R6XXX8 — PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19	10				

TABLE 2

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

Item 2 - STR Results

R78P63 — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

R7ADLF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

RBN986 — Investigator® 24plex

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

RCYWMB — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	-
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	-	-	18,20	6,9	8,9
17,19	10	-	-	2	

RNQLMG — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

RWQW2L — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

RYJ7BB — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

TABLE 2

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

Item 2 - STR Results

T6UFRV — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

T78ZJ7 — PowerPlex® Fusion 6C (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

T8LPMH — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

T9DLCC — GlobalFiler™ Express (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

TAMHTA — GlobalFiler™ Express (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TBWM7X — GlobalFiler™ (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TGBDK7 — GlobalFiler™ Express (Item 2)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

TJUEER GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TJXWL4 GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TK68H8 GlobalFiler™ (STRMix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TNP9CT PowerPlex® Fusion 5C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

(Item 2)

TPLF78 GlobalFiler™ Express

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TQHTNT GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TR6GZT GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 2)

TABLE 2

WebCode — Amplification Kits (Probabilistic Genotyping Software)

Item 2 - STR Results

Row block	Col 1	Col 2	Col 3	Col 4	Col 5	Col 6
1	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4	FGA	Penta D	Penta E	SE33	TH01	TPOX
5	vWA	DYS391	DYS570	DYS576	Y Indel	

Results by item (locus down the side, WebCode/kit across):

Locus	TW2876 (GlobalFiler™)	TY63P8 (GlobalFiler™ Express)	U2VCLU (GlobalFiler™ STRmix)	U9ENPM (PowerPlex® 21)	UBYPJA (GlobalFiler™ Express)	UMUVFT (PowerPlex® Fusion 6C)	V2PK8J (Investigator® 24plex GO!)
D1S1656	14,15	14,15	14,15	14,15	14,15	14,15	14,15
D2S1338	24,25	24,25	24,25	24,25	24,25	24,25	24,25
D2S441	13,14	13,14	13,14		13,14	13,14	13,14
D3S1358	15,15	15	15,15	15,15	15	15,15	15,15
D5S818	10,13	10,13	10,13	10,13	10,13	10,13	10,13
D6S1043		-		11,19			
D7S820	8,10	8,10	8,10	8,10	8,10	8,10	8,10
D8S1179	13,15	13,15	13,15	13,15	13,15	13,15	13,15
D10S1248	14,15	14,15	14,15		14,15	14,15	14,15
D12S391	18,21	18,21	18,21	18,21	18,21	18,21	18,21
D13S317	12,12	12	12,12	12,12	12	12,12	12,12
D16S539	11,12	11,12	11,12	11,12	11,12	11,12	11,12
D18S51	18,19	18,19	18,19	18,19	18,19	18,19	18,19
D19S433	13.2,13.2	13.2	13.2,13.2	13.2,13.2	13.2	13.2,13.2	13.2,13.2
D21S11	29,32.2	29,32.2	29,32.2	29,32.2	29,32.2	29,32.2	29,32.2
D22S1045	14,17	14,17	14,17		14,17	14,17	14,17
Amelogenin	X,Y	X,Y	X,Y	X,Y	X,Y	X,Y	X,Y
CSF1PO	8,12	8,12	8,12	8,12	8,12	8,12	8,12
FGA	22,23	22,23	22,23	22,23	22,23	22,23	22,23
Penta D		-		8,9		8,9	
Penta E		-		9,11		9,11	
SE33	18,20	18,20	18,20		18,20	18,20	18,20
TH01	6,9	6,9	6,9	6,9	6,9	6,9	6,9
TPOX	8,9	8,9	8,9	8,9	8,9	8,9	8,9
vWA	17,19	17,19	17,19	17,19	17,19	17,19	17,19
DYS391	10	10	10		10	10	10
DYS570		-				18	
DYS576		-				18	
Y Indel	2	2	2				

All items listed are Item 2.

TABLE 2

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

Item 2 - STR Results

V9P2F4   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

VDXKFH   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

VECVAF   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VGHCPY   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VKXTY4   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

VLBGJ3   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VP8A9R   Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

TABLE 2

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

Item 2 - STR Results

VY33NX　　PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

W2PYWP　　PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

W8QF4N　　GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

WAD4EN　　GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

WC7NRN　　GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 2

WCMVYQ　　PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 2

WE6BXW　　Identifiler® Plus

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

Item: 2

TABLE 2

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

Item 2 - STR Results

WEC9G9 — GlobalFiler™ Express

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

WFHLB4 — Investigator® 24plex (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

WGF4ZC — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

WH8ZP7 — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

WJY6VX — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

WPB83N — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

WQ83Q6 — Identifiler®

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

TABLE 2

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

Item 2 - STR Results

WTQEQM	GlobalFiler™ Express					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WX3CA4	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

XJDR8L	PowerPlex® Fusion 5C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19	10				

XJGADW	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

XL8Q9Q	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15,15	10,13	
2	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

XQKCFC	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

XRC867	Investigator® 24plex QS					
	14,15	24,25	13,14	15	10,13	
2	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

TABLE 2

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

Item 2 - STR Results

XRW4BE — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

XUCPRZ — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Y9TVMY — PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

YCH3C3 — Investigator® 24plex QS

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

YCXLWZ — GlobalFiler™ Express

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YHL2PD — GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YJHLCD — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

YL2M7Y — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YTHCVY — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YY2LUV — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YY8PWM — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Z8GD9Z — GlobalFiler™ (STRmix) (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Z9DXVZ — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

ZGQT3F — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

Item 2 - STR Results

ZL3TBZ — GlobalFiler™ (STRmix) — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ZLXDYY — PowerPlex® Fusion 5C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

ZP248Z — GlobalFiler™ (STRmix v2.6) — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ZPXPUY — PowerPlex® Fusion 5C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

ZRL62L — PowerPlex® Fusion 5C — Item 2

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	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 3 - STR Results

2CP8DW NGM SElect

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19		
	12,13,14	12,14,15	15,18,19,20		11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	
19,22,23,24			18,21,25.2,30.2	6,7,10	
14,15,18					

Item: 3

2TVKWY GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Item: 3

3UJGWC GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	10,11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Item: 3

6E6UN7 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Item: 3

6WK4P8 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Item: 3

86RHLT GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Item: 3

9TNTW4 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

Item: 3

TABLE 2

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

CC8V6Z	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

FE9UEJ	GlobalFiler™ (STRmix)					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

HG2WUV	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

M4ZUJN	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

MXD28P	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

PBW7TQ	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

R62DB8	GlobalFiler™ (STRmix)					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3 - STR Results

RNQLMG   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

RWQW2L   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

T8LPMH   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

TBWM7X   GlobalFiler™

15,(16,16.3),19.3	18,(19),20	(11),14,(15)	16.2,(17,18),19	(11),12,13	
(8),10,11	12,(13),14	(12),14,(15)	(15),18,19,(20)	11,13	(11),12,13,(14)
12,(15),20	11,(13,15),16.2	28,(30)	15,16	X,Y	11,12
(19),22,(23),24			(18),21,25.2,(30.2)	6,7,(10)	8,9
14,(15,18)	10			2	

3

TK68H8   GlobalFiler™ (STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

VDXKFH   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

YJHLCD   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3

TABLE 2

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

Z8GD9Z	GlobalFiler™ (STRmix)					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

ZL3TBZ	GlobalFiler™ (STRmix)					
	15,16,16.3,19.3	18,19,20	11,14	16.2,17,18,19	12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

ZP248Z	GlobalFiler™ (STRmix v2.6)					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

27JMFQ   PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,12,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

2EXCFK   PowerPlex® Fusion 6C (STRmix v. 2.8)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

2K3AKH   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

2KGG7Z   GlobalFiler™

[15],16,16.3,[19.3]	18,19,[20]	11,14,15	[16.2],17,18,[19]	[11],12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,[30]	15,16	X,[Y]	[11],12
19,[22],23,[24]			18,[21],[25.2],30.2	6,[7],[10]	8,[9],[11]
14,15,18	10			2	

2LU9YG   PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

2LV7AC   GlobalFiler™

[15],16,16.3,[19.3]	18,19,[20]	11,14,15	[16.2],17,18,[19]	11,12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,[18],[19],20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
19,[22],23,[24]			18,[21],[25.2],30.2	6,[7],10	8,[9],11
[14],15,18	[10]			[2]	

2M4HPT   PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

TABLE 2

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

Item 3e - STR Results

2NE84Y GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

2PFXJU PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,12,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

2TA22Z GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

2VY3A9 GlobalFiler™ (STRmix 2.4.06)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

2YK39P PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

2ZCWCK PowerPlex® Fusion 6C (STRmix v2.8)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

33E7RV GlobalFiler™ (STRmix 2.4)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

36KQGG   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,[20]	11,14,[15]	16.2,17,18,19	[11],12,[13]	
	[8],10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
	[12],[15],20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
	19,22,23,24			18,21,25.2,30.2	6,[7],10	8,[9],11
	14,15,[18]	10			2	

373BCY   PowerPlex® Fusion

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	[15],16,16.3,[19.3]	18,19,[20]	11,[14],15	17,[16.2],18,[19]	11,12,[13]	
	8,10,[11]	[12],13,14	12,[14],15	15,[18,19],20	11,[13]	11,[12,13],14
	[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
	19,[22],23,[24]	[9],10,11,[12]	[8],10,11,[13]		6,[7],10	8,[9],11
	[14],15,18	[10]				

3J2NMG   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

3KZV2F   Identifiler® Plus (STRmix 2.7.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

3LQ42J   PowerPlex® Fusion 6C (STRmix v2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

3NCWML   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

3NHKCZ   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,11	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,11
	14,15,18					

TABLE 2

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

Item 3e - STR Results

3PA6V6   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3	18,19,{20}	11,14,15	{16.2},17,18,{19}	11,12,{13}	
8,10,{11}	{12},13,14	12,14,15	15,18,20	11,13	11,{13},14
{12},15,20	{11},13,15,{16.2}	28,30	15,16	X,{Y}	11,12
19,{22},23,{24}			18,{21},30.2	6,{7},10	8,{9},11
14,15,18	10			2	

3Q7GZL   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3VANVF   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,[16],[16.3],19.3	18,[19],20	[11],14,[15]	16.2,[17],18,19	[11],12,13	
[8],10,[11]	12,[13],14	[12],14,[15]	[15],18,19,[20]	11,[13]	11,12,13,14
12,[15],20	11,[13],[15],16.2	28,[30]	15,16	X,[Y]	11,12
[19],22,23,24			18,21,25.2,30.2	6,7,[10]	8,[9],[11]
14,[15],[18]	10			2	

3W3GRY   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

3W9KUQ   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

3X499F   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

47C9WM   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	NT
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	NT	NT	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

4J2Y47　　GlobalFiler™

[15],16,16.3,[19.3]	18,19,20	11,14,15	16.2,17,18,19	11,12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,[12,13],14
12,15,20	11,13,15,16.2	28,30	15,16	X,[Y]	[11],12
19,22,23,24			18,[21,25.2],30.2	6,[7],10	8,9,11
14,15,18	10			2	

4LKZYR　　GlobalFiler™　(STRmix v2.4)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

4QXZVJ　　GlobalFiler™　(STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

4TNBZJ　　PowerPlex® Fusion 6C　(STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

4TRK8H　　GlobalFiler™　(STRmix)

14,15,16,16.3,18.3, 19.3	17,18,19,20	10,11,13,14,15	15.2,16,16.2,17,18, 19	10,11,12,13	
8,9,10,11	11,12,13,14	11,12,13,14,15	15,17,18,19,20	10,11,12,13	10,11,12,13,14
11,12,14,15,19,20	11,12,13,14,15,15.2 ,16.2	27,28,29,30	14,15,16,17	X,Y	10,11,12
18,19,21,22,23,24			17,17.2,18,20,21,22,2 4.2,25.2,29.2,30.2	6,7,9,10	8,9,11
13,14,15,17,18	9,10			2	

4TTMMF　　PowerPlex® 21　(STRmix 2.7)

15,16,16.3,19.3	18,19,20		16.2,17,18,19	11,12,13	12,13,14
8,10,11	12,13,14		15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13		6,7,10	8,9,11
14,15,18					

TABLE 2

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

Item 3e - STR Results

62EXNU   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

62TJXV   Investigator® 24plex QS (STRmix 2.9.1)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10				

64XYJF   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

6JFR8M   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

6MTR4E   PowerPlex® Fusion 6C

	16,16.3#	18,19#	11,15#	17,18#	11,12#	
3e	8,10#	13,14#	12,15#	15,20#	11#	11,14#
	15,20#	13,15#	28,30	15,16	X	12
	19,23#	10,13#	10,11#	18,30.2#	6,10#	8,11#
	15,18#	NR#	NR#	NR		

6QR7R4   GlobalFiler™ (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	NT
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	NT	NT	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	NT	NT	2	

6UDRKQ   GlobalFiler™ (STRmix 2.4)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

6V6QXP   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19,20		16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248**	**D12S391**	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,[15.2],16.2	**D21S11** 28,30	**D22S1045**	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D**	**Penta E**	**SE33**	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391**	**DYS570**	**DYS576**	**Y Indel**	

74XHJN   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D**	**Penta E**	**SE33** 18,21,25.2,30.2	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570**	**DYS576**	**Y Indel** 2	

7ANLZ8   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	[16.2],17,18,[19]	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,[13]	**D16S539** 11,[12],[13],14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,[Y]	**CSF1PO** [11],12
FGA 19,22,23,24	**Penta D**	**Penta E**	**SE33** 18,[21],[25.2],30.2	**TH01** 6,[7],10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570**	**DYS576**	**Y Indel** 2	

7D4GDJ   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D** 9,10,12,13	**Penta E** 8,10,11,13	**SE33** 18,21,25.2,30.2	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570** 19	**DYS576** 16	**Y Indel**	

7FQ6PJ   GlobalFiler™ (STRmix V2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D**	**Penta E**	**SE33** 18,21,25.2,30.2	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570**	**DYS576**	**Y Indel** 2	

7LH3P9   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D** 9,10,12,13	**Penta E** 8,10,11,13	**SE33** 18,21,25.2,30.2	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570** 19	**DYS576** 16	**Y Indel**	

7N24JU   GlobalFiler™ (STRmix v2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
D7S820 8,10,11	**D8S1179** 12,13,14	**D10S1248** 12,14,15	**D12S391** 15,18,19,20	**D13S317** 11,13	**D16S539** 11,12,13,14
D18S51 12,15,20	**D19S433** 11,13,15,16.2	**D21S11** 28,30	**D22S1045** 15,16	**Amelogenin** X,Y	**CSF1PO** 11,12
FGA 19,22,23,24	**Penta D**	**Penta E**	**SE33** 18,21,25.2,30.2	**TH01** 6,7,10	**TPOX** 8,9,11
vWA 14,15,18	**DYS391** 10	**DYS570**	**DYS576**	**Y Indel** 2	

TABLE 2

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

7TXVRR — GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

7V646H — GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

7X7B2F — GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

7XRXLJ — PowerPlex® Fusion 6C (STRmix 2.8)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

7ZG3KH — PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

7ZZVDE — GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

83ZLWY — GlobalFiler™ (STRmix v2.5)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

86JMRL — GlobalFiler™

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

88BJGF — GlobalFiler™

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

8BAW2J — GlobalFiler™

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,[16],19.3	18,20	[11],14,[15]	16.2,[17,18],19	12,13	
	[8],10,11	12,14	[12],14,[15]	[15],18,19,[20]	11,13	12,13,[14]
	12,[15],20	11,[13,15],16.2	28	15,16	X,Y	11,12
	[19],22,24			[18],21,25.2,[30.2]	6,7,[10]	8,9,[11]
	14,[18]	10			2	

8F7ENC — PowerPlex® Fusion 6C (STRMix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

8TBXZC — GlobalFiler™ (STRMix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

8TVEHZ — GlobalFiler™ (STRmix v2.5)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

8V3TN7 — GlobalFiler™

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3e	15,16,16.3,19.3	18,19,20	11,14,15	[16.2],17,18,[19]	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,[13]	11,[12],[13],14
	12,15,20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

8VVV6T GlobalFiler™ (STRmix V2.4.06)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

8WEFCL GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

8XLUJR GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

96FM6Q GlobalFiler™

15,16,16.3,19.3	18,19,20	[11],14,[15]	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	[12],14,[15]	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,[30]	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,[15],[18]	10			2	

97FDJL PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

97UYV9 PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

99GM89 GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,12,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

9AFJ6J   PowerPlex® Fusion 6C

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

9BNWKZ   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

9D9UPH   GlobalFiler™ (STRmix (for 3 sp only))

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

9DFR9U   GlobalFiler™ (STRMIX)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

9PA9WA   PowerPlex® Fusion 6C (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

9QGDNC   GlobalFiler™ (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

9RWW8A   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

9Z72KZ   GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

A24PLB   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

A7BBDE   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

A8LDYD   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

AC2KMC   PowerPlex® Fusion 6C (STRmix version 2.8.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

AELLHY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

AMGNJA   PowerPlex® 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3#	18,19#	11,15#	17,18#	11,12#	
	8,10#	13,14#	12,15#	15,20#	11 ^	11,14#
	15,20#	13,15#	28,30	15,16	X	12#
	19,23#	10,13#	10,11#	18,30.2#	6,10#	8,11#
	15,18#	NR#	NR#	NR		

TABLE 2

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

Item 3e - STR Results

ARRQQZ   GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
	12,15,20	11,13,15,[16.2]	28,[30]	15,16	X,Y	[11],12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

AW4MBF   GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

AWQ4EP   GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

AYA69B   GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

AZ24MA   PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3#	18,19#	11,15#	17,18#	11,12#	
	8,10#	13,14#	12,15#	15,20#	11#	11,14#
	15,20#	13,15#	28,30	15,16	X#	12#
	19,23#	10,13#	10,11#	18,30.2#	6,10#	8,11#
	15,18#	NR#	NR#	NR#		

B3AP22   PowerPlex® Fusion 6C (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	18,19	16		

B7PBHM   GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

B9UV99   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11	11,12,13,14
12^,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24^	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	NR		

B9WG6N   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

BE2FHY   PowerPlex® Fusion 6C (STRmix 2.6.2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,[19],[20]	11,14,15	[16.2],17,18,19	11,12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
12,15,20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
19,22,23,24	9,10,[12],13	8,10,11,[13]	18,21,[25.2],30.2	6,[7],10	8,[9],11
14,15,18	10	19	16		

BKBA2B   PowerPlex® Fusion 6C (STRMix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

BNCH3Z   PowerPlex® Fusion 6C (STRmix v. 2.6.2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
[15],16,16.3,[19.3]	18,19,[20]	11,14,15	[16.2],17,18,[19]	11,12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,[12],[13],14
12,15,20	11,13,15,[16.2]	28,[30]	15,16	X,[Y]	[11],12
19,22,23,24	[9],10,[12],13	[8],10,11,[13]	18,[21],25.2,30.2	6,[7],10	8,[9],11
14,15,18	10	19	16		

BYRCGE   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

CAJHMG   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19			

TABLE 2

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

Item 3e - STR Results

CZR9UD GlobalFiler™ (STRmix V2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

CZY7DQ GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

D23BFC GlobalFiler™ (STRmix v2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

D32AYK PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

D68UP7 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

D8882X ForenSeq Signature

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	12,13,14
8,10,11	12,13,14	12,14,15	15,19,20	11,13	11,12,13,14
12,15,20	11,13,15	28,30	15,16	X	11,12
19,22,23,24	9,10,13	8,10,11		6,7,10	8,9,11
14,15,18					

DA4EVB PowerPlex® Fusion 6C (STRmix 2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 3e - STR Results

DAEHZM   GlobalFiler™

[15],16,16.3	18,19,[20]	11,[14],15	[16.2],[17],18,[19]	11,12,[13]	
[8],10,[11]	[12],13,14	12,14,15	15,[18],[19],20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,[30]	15,16	X,[Y]	[11],12
19,[22],23,[24]			[18],[21],[25.2],30.2	6,[7],10	8,[9],11
14,15,18	10			2	

DBXA46   PowerPlex® 21

15,16,16.3,19.3	18,19,20		16.2,17,18,19	11,12,13	12,13,14
8,10,11	12,13,14		15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13		6,7,10	8,9,11
14,15,18					

DEEHR6   Investigator® 24plex QS

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

DF6V2B   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	NR
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	NR	NR	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	NR	NR	2	

DHC6XE   PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

DHXJLQ   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

DJ8TC3   PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

TABLE 2

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

Item 3e - STR Results

DNJQVJ GlobalFiler™ (STRmix V2.5.11)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

DNNTXB PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

DQ9UTW GlobalFiler™ (STRmix v.2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

DWY9Q4 PowerPlex® 21 (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20		16.2,17,18	11,12,13	12,13,14
	8,10,11	12,13,14		15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24	10,12,13	8,10,11,13		6,7,10	8,9,11
	14,15,18					

DYHALQ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

E7Z3AV GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,[15.2],16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,[16],18	10			2	

E8RYYP GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

EACZUB　　　Identifiler®

3e		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

EAYD7V　　　GlobalFiler™

3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
	12,15,20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

ECJEZG　　　GlobalFiler™ (STRmix 2.4)

3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

EGD9Z4　　　GlobalFiler™

3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

EJLEL6　　　GlobalFiler™ (STRmix)

3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

EKDBBY　　　GlobalFiler™

3e	[15],16,16.3,[19.3]	18,19,20	11,14,15	[16.2],17,18,[19]	11,12,[13]	
	8,10,[11]	[12],13,14	12,14,15	15,[18],[19],20	11,[13]	11,[12],[13],14
	12,15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
	19,22,23,24			18,[21],[25.2],30.2	6,[7],10	8,[9],11
	14,15,18	10			2	

EKWGAP　　　GlobalFiler™

3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TABLE 2

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

ERHZ36 Identifiler® Plus (STRmix 2.7.0)

3e						
		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

ET46ZG GlobalFiler™ (STRmix 2.4)

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

EYBMGH GlobalFiler™ (STRMix v2.5.11)

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

F9JEL7 GlobalFiler™ (STRmix)

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

FFKTAR GlobalFiler™ (STRmix v2.5)

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

FGTVA6 GlobalFiler™

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

FLKCA3 PowerPlex® Fusion 6C

3e						
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

TABLE 2

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

Item 3e - STR Results

FUYYJ7   GlobalFiler™ (STRmix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,16,16.3,18.3, 19.3	17,18,19,20	10,11,13,14,15	16,16.2,17,18,19	10,11,12,13	
8,9,10,11	11,12,13,14	11,12,13,14,15	15,17,18,19,20	10,11,12,13	11,12,13,14
11,12,14,15,19,20	11,12,13,14,15,16.2	27,28,29,30	14,15,16,17	X,Y	11,12
19,21,22,23,24			17,17.2,18,20,21,25.2 ,26.2,29.2,30.2	6,7,10	8,9,11
14,15,17,18	10			2	

FYBW3M   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

G7Q8GY   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

G8G7VX   Investigator® 24plex QS (TrueAllele)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

GAQBB8   PowerPlex® Fusion 6C (STRmix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

GB26ZF   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

GB8837   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 3e - STR Results

GDQ9XT   GlobalFiler™ (STRmix v2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

GG9NA7   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

GJQTX3   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13^	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24^	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

GJTDTJ   Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

GLKC8G   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

GMCQE7   PowerPlex® Fusion 6C (STRmix v.2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	16,16.3	18,19	11,15	17,18	11,12	
	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

GPJQV8   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

GXUCGF   GlobalFiler™

[15],16,16.3,[19.3]	18,[19],[20]	11,14,15	[16.2],17,18,[19]	[11],12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
19,22,23,[24]			18,[21],[25.2],30.2	6,[7],10	8,[9],11
14,15,18	10			2	

H6B3M8   PowerPlex® Fusion 6C (STRmix)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

H8Z8L7   PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

HBGNKC   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,12,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

HBL6UW   Identifiler® Plus (STRmix v 2.7.0)

	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

HGN63D   PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

HMVUL8   PowerPlex® Fusion 6C (STRmix v2.8)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

TABLE 2

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

Item 3e - STR Results

HPEVGT — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

HPV6FL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

HQB2A7 — PowerPlex® Fusion 6C (STRmix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

HX7DU2 — GlobalFiler™ (BP SENTRY)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

HX9XQH — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

J2B39W — Identifiler® Plus, MiniFiler (STRmix v.2.7.0)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

J3D27H — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

J68Z9M GlobalFiler™ (STRmix v2.5)

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

J8R23A GlobalFiler™

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

J9PXZJ GlobalFiler™ (STRmix)

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JCJ9LH GlobalFiler™

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JDJYZD GlobalFiler™

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JN472M GlobalFiler™ (STRmix v2.5)

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JNF368 PowerPlex® Fusion 6C (STRmix)

3e					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19,20	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,9,10	8,9,10,11
14,15,18	10	19	16		

TABLE 2

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

Item 3e - STR Results

JNJPLK   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JQM8VA   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

JRJTFT   PowerPlex® Fusion 6C (STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

K3BTEA   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

K98B22   GlobalFiler™ (STRmix)

14,15,16,16.3,18.3, 19.3	17,18,19,20	10,11,13,14,15	15.2,16,16.2,17,18, 19	10,11,12,13	
8,9,10,11	11,12,13,14	11,12,13,14,15	15,17,18,19,20	10,11,12,13	11,12,13,14
11,12,14,15,19,20	11,12,13,15,15.2,16 .2	27,28,29,30	14,15,16,17	X,Y	10,11,12
18,19,21,22,23,24,2 5			17,18,20,21,24.2,25.2 ,29.2,30.2	6,7,10	8,9,11
14,15,17,18	10,11			2	

KKCQLC   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

KLMHR8 PowerPlex® 5C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	--
8,10,11	--	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	--	6,7,10	8,9,11
14,15,18	10	--	--	--	

KQJBU3 PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

KVXB8G Identifiler® Plus

	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

KYCEU6 GlobalFiler™ (STRmix v2.4.06)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	NT
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	NT	NT	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	NT	NT	2	

KZUDF4 PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	18,19	16		

L2HAYU PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

L6JJ46 PowerPlex® Fusion 6C (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

TABLE 2

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

Item 3e - STR Results

LFZ3M2   GlobalFiler™ (STRmix)

15,16,16.3,18.3,19.3	17,18,19,20	10,11,13,14,15	15.2,16,16.2,17,18,19	11,12,13	
8,9,10,11	11,12,13,14	12,13,14,15	15,18,19,20	10,11,12,13	11,12,13,14
11,12,14,15,19,20	11,12,13,14,15,15.2,16.2	27,28,29,30	14,15,16,17	X,Y	11,12
18,19,21,22,23,24			17,18,20,21,24.2,25.2,29.2,30.2	6,7,10	8,9,11
14,15,17,18	10			2	

LGR22Y   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

LKCZ8G   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	-
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	-	-	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	-	-	2	

LLMT8B   GlobalFiler™ (STRmix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

LUZQT9   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

LXEN2W   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18	11,12,13	
8,10,11	12,13,14	12,14,15	15,19,20	11	11,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	12
19,22,23,24			18,21,30.2	6,7,10	8,11
14,15,18	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 3e - STR Results

LYDKY7   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

M3PYR6   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10		2		

MCXJ3D   Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

MEHKWZ   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10		2		

MGB6AY   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,16,16.3,19.3	17,18,19,20	10,11,13,14,15	16,16.2,17,18,19	11,12,13	
8,9,10,11	11,12,13,14	11,12,13,14,15	15,18,19,20	10,11,12,13	10,11,12,13,14
12,14,15,19,20	11,12,13,14,15,16.2	27,28,29,30	14,15,16,17	X,Y	11,12
18,19,21,22,23,24			17,18,20,21,25.2,29.2,30.2	6,7,10	8,9,11
14,15,17,18	10		2		

MP3P7K

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10		2		

MPKTMX   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10		2		

TABLE 2

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

MWHGKP　　PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

MWXUX2　　GlobalFiler™ (GeneMapper ID-X 1.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

MYQEAZ　　PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

MZX33B　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

NA2D9Z　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
[8],10,[11]	12,13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
[12],15,20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
19,22,23,24			18,21,25.2,30.2	6,[7],[10]	8,[9],11
14,15,18	10			2	

NFDEGQ　　PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

NHWFBC　　GlobalFiler™ (STRmix v 2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TABLE 2

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

NJ96M2   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

NKMGJL   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	NT
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	NT	NT	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	NT	NT	2	

NKYDL6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

NMRABY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

NV2P3T   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

NWHRZT   PowerPlex® 21 (GeneMapper IDX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20		16.2,17,18,19	11,12,13	12,13,14
	8,10,11	12,13,14		15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13		6,7,10	8,9,11
	14,15,18					

NXCGAN   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TABLE 2

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

NZDLM9   GlobalFiler™

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

P73CVP   PowerPlex® Fusion 6C

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
[15],16,16.3,[19.3]	18,19,[20]	11,14,15	[16.2],17,18,[19]	11,12,[13]	
8,10,[11]	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
19,22,23,24	[9],10,[12],13	[8],10,11,[13]	18,[21],[25.2],30.2	6,[7],10	8,[9],11
14,15,18	[10]	[19]	[16]		

P9LDPB   GlobalFiler™ (STRmix)

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

PRLGET   PowerPlex® Fusion 6C (STRmix)

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

PZVRLY   GlobalFiler™ (STRmix)

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Q4CJLR   Investigator® 24plex

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Q64L2F   GlobalFiler™ (STRmix v2.5)

3e

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

Q94WXF — GlobalFiler™ (STRmix v2.5)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

QBMXT2 — GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

QE9N9Y — PowerPlex® Fusion 6C (STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

QGZRXY — PowerPlex® Fusion 6C (STRMix)

16,16.3	18,19	11,15	17,18	11,12	
8,10	13,14	12,15	15,20	11,11	11,14
15,20	13,15	28,30	15,16	X,X	12,12
19,23	10,13	10,11	18,30.2	6,10	8,11
15,18					

QQJ7YF — GlobalFiler™ (STRmix v2.5)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

QR2X8Z — PowerPlex® Fusion 6C (STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,15.2,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

QU48T3 — GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

QVV4HW   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

R4NNAF   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

R4QA7W   PowerPlex® Fusion 6C (STRMix)

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

R6XXX8   PowerPlex® Fusion

[15,16],16.3,[19.3]	18,19,[20]	11,14,[15]	[16.2],17,18,[19]	11,12,[13]	
8,10,[11]	[12,13],14	12,[14],15	15,[18,19],20	11,[13]	11,[12,13],14
[12],15,[19],20	[11],13,15,[16.2]	28,[30]	15,[16]	X,[Y]	[11],12
19,[22],23,[24]	[9],10,[12],13	[8],10,11,[13]		6,[7,10]	8,[9,11]
14,15,18	10				

R78P63   Identifiler®

	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

RBN986   Investigator® 24plex (STRmix)

[15],16,16.3,[19.3]	18,19,[20]	11,[14],15	[16.2],17,18,[19]	11,12,[13]	
8,10,[11]	[12],13,14	12,[14],15	15,[18],[19],20	11,[13]	11,[12],[13],14
[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
19,[22],23,[24]			18,[21],[25.2],30.2	6,[7],10	8,[9],11
[14],15,18	[10]				

RCYWMB   GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	-
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	-	-	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	-	-	2	

TABLE 2

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

RYJ7BB — Identifiler® Plus

		18,19,20		16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

T6UFRV — GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

T78ZJ7 — PowerPlex® Fusion 6C

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13,14	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,9,10	8,9,11
	14,15,18	10	19	16		

TAMHTA — GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TGBDK7 — GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TJUEER — GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TJXWL4 — GlobalFiler™ (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

TABLE 2

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

WebCode — Amplification Kits (Probabilistic Genotyping Software)

Item 3e - STR Results

TNP9CT — GlobalFiler™
D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
FGA	Penta D	Penta E	SE33	TH01	TPOX
vWA	DYS391	DYS570	DYS576	Y Indel	
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TPLF78 — GlobalFiler™
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TQHTNT — GlobalFiler™
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TR6GZT — GlobalFiler™ (STRmix v2.6.3)
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TW2876 — GlobalFiler™ (STRmix)
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,19,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

TY63P8 — GlobalFiler™
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	-
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	-	-	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	-	-	2	

U2VCLU — GlobalFiler™ (STRmix)
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

U9ENPM — PowerPlex® 21 (STRMIX v 2.8)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,16,16.3,19.3	18,19,20		16.2,17,18,19	11,12,13	12,13,14
8,10,11	13,14		15,18,19,20	11,13	11,12,13,14
15,20	11,13,15,16.2	28,30		X,Y	12
19,22,23,24	9,10,13	8,10,11		6,10	8,11
14,15,18					

UMUVFT — PowerPlex® Fusion 6C

vWA/etc					
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

V2PK8J — Investigator® 24plex QS

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

V9P2F4 — Identifiler® Plus

	18,19,20		16.2,17,18,19	11,12,13	
8,10,11	12,13,14			11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30		X,Y	11,12
19,22,23,24				6,7,10	8,9,11
14,15,18					

VECVAF — PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

VGHCPY — PowerPlex® Fusion 6C

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

VKXTY4 — GlobalFiler™

15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

VLBGJ3   PowerPlex® Fusion 6C (STRmix 2.6.1)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

VP8A9R   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

VY33NX   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

W2PYWP   PowerPlex® Fusion 6C (STRmix v2.8.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	16,16.3	18,19	11,15	17,18	11,12	
3e	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

W8QF4N   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

WAD4EN   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

WC7NRN   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

WCMVYQ PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

WE6BXW Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e		18,19,20		16.2,17,18,19	11,12,13	
	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

WFHLB4 Investigator® 24plex (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,[19,20]	11,14,15	[16.2],17,18,[19]	[11],12,[13]	
	8,10,[11]	[12],13,14	12,14,[15]	15,18,19,20	11,[13]	11,12,13,14
	[12,15],20	11,13,15,16.2	28,[30]	15,16	X,Y	[11],12
	19,22,23,24			18,[21,25.2,30.2]	6,[7,10]	8,[9,11]
	14,15,18	10				

WGF4ZC GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,[16,16.3],19.3	18,[19],20	[11],14,[15]	16.2,[17,18],19	[11],12,13	
	[8],10,11	12,[13],14	[12],14,[15]	[15],18,19,[20]	11,13	[11],12,13,[14]
	12,[15],20	11,[13,15],16.2	28,[30]	15,16	X,Y	11,12
	[19],22,[23],24			[18],21,25.2,[30.2]	6,7,[10]	8,9,[11]
	14,[15,18]	10			2	

WH8ZP7 GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

WJY6VX GlobalFiler™ (STRmix v2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

WPB83N GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3e	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

WQ83Q6   Identifiler®

		18,19,20		16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

WTQEQM   GlobalFiler™ (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

WX3CA4   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

XJDR8L   GlobalFiler™

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

XJGADW   PowerPlex® Fusion 6C (STRmix)

	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10	19	16		

XL8Q9Q   PowerPlex® Fusion 6C (STRmix v2.8)

	16,16.3	18,19	11,15	17,18	11,12	
3e	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

XQKCFC   GlobalFiler™

	15,16,16.3,19.3	18,[19],[20]	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	[12],13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
	12,15,20	11,13,15,16.2	28,[30]	15,16	X,[Y]	[11],12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3e - STR Results

XRC867   Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

XRW4BE   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

XUCPRZ   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,[Y]	[11],12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

Y9TVMY   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24	9,10,12,13	8,10,11,13	18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10	19	16		

YCH3C3   Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10				

YCXLWZ   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	10			2	

YHL2PD   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
14,15,18	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 3e - STR Results

YL2M7Y	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,[13]	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,[Y]	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

YTHCVY	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

YY2LUV	GlobalFiler™ (STRmix 2.4)					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	10			2	

YY8PWM	PowerPlex® Fusion 6C (STRmix v2.8)					
	16,16.3	18,19	11,15	17,18	11,12	
3e	8,10	13,14	12,15	15,20	11,11	11,14
	15,20	13,15	28,30	15,16	X,X	12,12
	19,23	10,13	10,11	18,30.2	6,10	8,11
	15,18					

Z9DXVZ	Identifiler® Plus					
		18,19,20		16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14			11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30		X,X,Y	11,12
	19,22,23,24				6,7,10	8,9,11
	14,15,18					

ZGQT3F	GlobalFiler™					
	[15],16,16.3,[19.3]	18,19,[20]	11,[14],15	[16.2],17,18,[19]	11,12,[13]	
3e	8,10,[11]	[12],13,14	12,[14],15	15,[18],[19],20	11,[13]	11,[12],[13],14
	15,20	13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
	19,[22],23			18,[21],[25.2],30.2	6,10	8,11
	[14],15,18				[2]	

ZLXDYY	PowerPlex® Fusion 5C					
	[15],16,16.3,[19.3]	18,19,[20]	11,[14],15	[16.2],17,18,[19]	11,12	
3e	8,10,[11]	[12],13,14	12,[14],15	15,[18,19],20	11,[13]	11,[12,13],14
	[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
	19,[22],23,[24]	[9],10,[12],13	[8],10,11,[13]		6,[7],10	8,[9],11
	14,15,18	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 3e - STR Results

ZPXPUY	PowerPlex® Fusion 5C					
	[15],16,16.3,[19.3]	18,19,[20]	11,[14],15	[16.2],17,18,[19]	11,12,[13]	
3e	8,10,[11]	[12],13,14	12,[14],15	15,[18,19],20	11,[13]	11,[12,13],14
	[12],15,20	[11],13,15,[16.2]	28,30	15,16	X,[Y]	[11],12
	19,[22],23,[24]	[9],10,[12],13	[8],10,11,[13]		6,[7,10]	8,[9],11
	[14],15,18	10				
ZRL62L	GlobalFiler™					
	15,16,16.3,19.3	18,19,20	11,14,15	16.2,17,18,19	11,12,13	
3e	8,10,11	12,13,14	12,14,15	15,18,19,20	11,13	11,12,13,14
	12,15,20	11,13,15,16.2	28,30	15,16	X,Y	11,12
	19,22,23,24			18,21,25.2,30.2	6,7,10	8,9,11
	14,15,18	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 3sp - STR Results

27JMFQ   PowerPlex® Fusion 6C

3sp	D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

2EXCFK   PowerPlex® Fusion 6C (STRmix v. 2.8)

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

2K3AKH   GlobalFiler™ (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

2KGG7Z   GlobalFiler™

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

2LU9YG   PowerPlex® Fusion 6C (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

2LV7AC   GlobalFiler™

3sp						
	15,19.3	18,20	14	16.2,[18],19	12,13	
	10,11	12,14	14	18,19	11,13	12,13,[14]
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

2M4HPT   PowerPlex® Fusion 6C

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	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 3sp - STR Results

2NE84Y   GlobalFiler™

3sp	D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,13,15,16.2	28	15,16	X,Y	11,12
	19,22,23,24			21,25.2	6,7	8,9
	14	10			2	

2PFXJU   PowerPlex® Fusion 6C

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

2TA22Z   GlobalFiler™ (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

2VY3A9   GlobalFiler™ (STRmix 2.4.06)

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

2YK39P   PowerPlex® Fusion 6C (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

2ZCWCK   PowerPlex® Fusion 6C (STRmix v2.8)

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

33E7RV   GlobalFiler™ (STRmix 2.4)

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

36KQGG GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14,14	16.2,[18],19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

373BCY PowerPlex® Fusion

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13		6,7	8,9
14	10				

3J2NMG GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

3KZV2F Identifiler® Plus (STRmix 2.7.0)

	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

3LQ42J PowerPlex® Fusion 6C (STRmix v2.8)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

3NCWML GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

3NHKCZ Identifiler® Plus

	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

TABLE 2

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

3PA6V6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,{18},19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

3Q7GZL — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

3VANVF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

3W3GRY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,[18],19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

3W9KUQ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

3X499F — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

47C9WM — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,18.3,19.3,20.3	17,18,19,20	13,14	15.2,16.2,18,19	11,12,13	NT
9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13
11,12,19,20,21	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
21,22,23,24	NT	NT	20,21,24.2,25.2,26.2	6,7	8,9
13,14	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 3sp - STR Results

4J2Y47 GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

4LKZYR GlobalFiler™ (STRmix v2.4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

4QXZVJ GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

4TNBZJ PowerPlex® Fusion 6C (STRMix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

4TRK8H GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15,18.3,19.3	17,18,19,20	13,14	15.2,16.2,17,18,19	11,12,13	
9,10,11	11,12,13,14	12,13,14	17,18,19	10,11,12,13,14	11,12,13
11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
21,22,23,24			20,20.2,21,22,24.2,25,25.2	6,7	8,9
13,14	9,10			2	

4TTMMF PowerPlex® 21 (STRmix 2.7)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20		16.2,19	12,13	12,14
10,11	12,14		18,19	11,13	12,13
12,20	11,16.2	28		X,Y	11,12
22,24	9,12	8,13		6,7	8,9
14					

62EXNU GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

62TJXV — Investigator® 24plex QS (STRmix 2.9.1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

64XYJF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

6JFR8M — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

6MTR4E — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

6QR7R4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,18.3,19.3	17,18,19,20	13,14	15.2,16.2,18,19	11,12,13	NT
9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13
11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
21,22,23,24	NT	NT	20,21,22,24.2,25.2	5,6,7	8,9
13,14	10	NT	NT	2	

6UDRKQ — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

6V6QXP — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,20		16.2,[18],19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

TABLE 2

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

74XHJN GlobalFiler™

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3sp	15,19.3	18,20	14,14	16.2,18,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

7ANLZ8 GlobalFiler™

3sp	15,19.3	18,20	14	16.2,[18],19	12,13	
	10,11	12,14	14	18,19	11,13	12,13,[14]
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

7D4GDJ PowerPlex® Fusion 6C

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

7FQ6PJ GlobalFiler™ (STRmix V2.4.06)

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

7LH3P9 PowerPlex® Fusion 6C

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

7N24JU GlobalFiler™ (STRmix v2.4.06)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

7TXVRR GlobalFiler™ (STRmix)

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

7V646H — GlobalFiler™ (STRmix) — 3sp

D1S1656/D7S820/D18S51/FGA/vWA	D2S1338/D8S1179/D19S433/Penta D/DYS391	D2S441/D10S1248/D21S11/Penta E/DYS570	D3S1358/D12S391/D22S1045/SE33/DYS576	D5S818/D13S317/Amelogenin/TH01/Y Indel	D6S1043/D16S539/CSF1PO/TPOX
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

7X7B2F — GlobalFiler™ — 3sp

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

7XRXLJ — PowerPlex® Fusion 6C (STRmix 2.8) — 3sp

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

7ZG3KH — PowerPlex® Fusion 6C (STRmix) — 3sp

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

7ZZVDE — GlobalFiler™ (STRmix) — 3sp

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

83ZLWY — GlobalFiler™ (STRmix v2.5) — 3sp

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

86JMRL — GlobalFiler™ — 3sp

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	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 3sp - STR Results

88BJGF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

8BAW2J — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

8F7ENC — PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

8TBXZC — GlobalFiler™ (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

8TVEHZ — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

8V3TN7 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

8VVV6T — GlobalFiler™ (STRmix V2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

8WEFCL GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

8XLUJR GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

96FM6Q GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

97FDJL PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

97UYV9 PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

99GM89 GlobalFiler™

15,19.3	18,20	14	16.2,18,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

9AFJ6J PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	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 3sp - STR Results

9BNWKZ   GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

9D9UPH   GlobalFiler™ (STRmix (for 3 sp only))

14,15,16,18.3,19.3	17,18,19,20	13,14,15	15.2,16.2,18,19	11,12,13,14	
9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13
11,12,19,20,21	10,11,15.2,16.2	27,28,29	14,15,16,17	X,Y	10,11,12
21,22,23,24,25			20,21,22,24.2,25.2	5,6,7	7,8,9
13,14	10			2	

9DFR9U   GlobalFiler™ (STRMIX)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

9PA9WA   PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

9QGDNC   GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

9RWW8A   GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

9Z72KZ   GlobalFiler™ (STRMIX)

15,19.3	18,20	14	16.2,18,19	12,13	
10,11	12,13,14	14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

A24PLB   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,18,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

A7BBDE   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

A8LDYD   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

AC2KMC   PowerPlex® Fusion 6C (STRmix version 2.8.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

AELLHY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

AMGNJA   PowerPlex® 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

ARRQQZ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,[18],19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	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 3sp - STR Results

AW4MBF GlobalFiler™ (STRmix)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

AWQ4EP GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

AYA69B GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

AZ24MA PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

B3AP22 PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

B7PBHM GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

B9UV99 PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19#	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	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 3sp - STR Results

B9WG6N — Identifiler® Plus

	18,20		16.2,(18),19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

BE2FHY — PowerPlex® Fusion 6C (STRmix 2.6.2)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

BKBA2B — PowerPlex® Fusion 6C (STRMix v2.8)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

BNCH3Z — PowerPlex® Fusion 6C (STRmix v. 2.6.2)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

BYRCGE — PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

CAJHMG — PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

CZR9UD — GlobalFiler™ (STRmix V2.4.06)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	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 3sp - STR Results

CZY7DQ GlobalFiler™

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

D23BFC GlobalFiler™ (STRmix v2.4.06)

3sp	15,19.3	18,20	14	16.2,18,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

D32AYK PowerPlex® Fusion 6C (STRmix)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

D68UP7 GlobalFiler™ (STRmix)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

D8882X ForenSeq Signature

3sp	15,19.3	18,20	14	16.2,19	12,13	12,14
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13		6,7	8,9
	14					

DA4EVB PowerPlex® Fusion 6C (STRmix 2.8)

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

DAEHZM GlobalFiler™

3sp	15,19.3	18,[20]	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

DBXA46 — PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20		16.2,18,19	12,13	12,14
10,11	12,14		18,19	11,13	12,13
12,20	11,16.2	28		X,Y	11,12
22,23,24	9,12	8,13		6,7	8,9
14					

DEEHR6 — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

DF6V2B — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	NR
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	NR	NR	21,25.2	6,7	8,9
14,14	10	NR	NR	2	

DHC6XE — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

DHXJLQ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

DJ8TC3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

DNJQVJ — GlobalFiler™ (STRmix V2.5.11)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,18,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

TABLE 2

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

DNNTXB — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

DQ9UTW — GlobalFiler™ (STRmix v.2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

DWY9Q4 — PowerPlex® 21 (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20		16.2,19	12,13	12,14
10,11	12,14		18,19	11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24	9,12	8,13		6,7	8,9
14,14					

DYHALQ — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

E7Z3AV — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

E8RYYP — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

EACZUB — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

TABLE 2

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

EAYD7V	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

ECJEZG	GlobalFiler™ (STRmix 2.4)					
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

EGD9Z4	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

EJLEL6	GlobalFiler™ (STRmix)					
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

EKDBBY	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

EKWGAP	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

ERHZ36	Identifiler® Plus (STRmix 2.7.0)					
		18,20		16.2,19	12,13	
3sp	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

TABLE 2

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

ET46ZG GlobalFiler™ (STRmix 2.4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	17,18,19,20	13,14,15	15.2,16.2,18,19	11,12,13,14	
9,10,11	11,12,13,14	13,14	17,18,19,20	10,11,12,13	11,12,13
11,12,19,20,21	10,11,15.2,16.2	27,28,29	14,15,16,17	X,Y	10,11,12
21,22,23,24,25			21,25.2	5,6,7	7,8,9
13,14	10			2	

EYBMGH GlobalFiler™ (STRMix v2.5.11)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

F9JEL7 GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

FFKTAR GlobalFiler™ (STRmix v2.5)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

FGTVA6 GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

FLKCA3 PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

FUYYJ7 GlobalFiler™ (STRmix v2.8)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15,16,18.3,19.3	17,18,19,20	13,14,15	15.2,16.2,18,19,20	11,12,13	
9,10,11	11,12,13,14	12,13,14	17,18,19	10,11,12,13	11,12,13
11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
21,22,23,24			20,20.2,21,24.2,25.2	6,7	8,9
13,14	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 3sp - STR Results

FYBW3M — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,[18],19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

G7Q8GY — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

G8G7VX — Investigator® 24plex QS (TrueAllele)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

GAQBB8 — PowerPlex® Fusion 6C (STRmix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

GB26ZF — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

GB8837 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

GDQ9XT — GlobalFiler™ (STRmix v2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	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 3sp - STR Results

GG9NA7 GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

GJQTX3 PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19#	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14#	10	19	16		

GJTDTJ Identifiler®

	18,20		16.2,(17),(18),19	12,13	
10,11	12,14			11,13	12,13,(14)
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

GLKC8G PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

GMCQE7 PowerPlex® Fusion 6C (STRmix v.2.8)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

GPJQV8 GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

GXUCGF GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	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 3sp - STR Results

H6B3M8 PowerPlex® Fusion 6C (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

H8Z8L7 PowerPlex® Fusion 6C (STRmix)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

HBGNKC GlobalFiler™

3sp	15,19.3	18,20	14,14	16.2,18,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

HBL6UW Identifiler® Plus (STRmix v 2.7.0)

3sp		18,20		16.2,19	12,13	
	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

HGN63D PowerPlex® Fusion 6C

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

HMVUL8 PowerPlex® Fusion 6C (STRmix v2.8)

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

HPEVGT GlobalFiler™

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

TABLE 2

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

HPV6FL GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

HQB2A7 PowerPlex® Fusion 6C (STRmix v2.8)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

HX7DU2 GlobalFiler™ (BP SENTRY)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

HX9XQH Identifiler® Plus

	18,20		16.2,(18),19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

J2B39W Identifiler® Plus, MiniFiler (STRmix v.2.7.0)

	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

J3D27H GlobalFiler™ (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

J68Z9M GlobalFiler™ (STRmix v2.5)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

TABLE 2

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

J8R23A GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

J9PXZJ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

JCJ9LH GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

JDJYZD GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

JN472M GlobalFiler™ (STRmix v2.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

JNF368 PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,18,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

JNJPLK GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	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 3sp - STR Results

JQM8VA GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

JRJTFT PowerPlex® Fusion 6C (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

K3BTEA GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

K98B22 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15,18.3,19.3,20.3	17,18,19,20	13,14	15.2,16.2,18,19,20	11,12,13	
3sp	9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13
	11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
	21,22,23,24			20,20.2,21,24.2,25,25.2,26.2	6,7	8,9
	13,14	9,10			2	

KKCQLC GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,18,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13,14
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

KLMHR8 PowerPlex® 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	--
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	--	6,7	8,9
	14	10	--	--	--	

KQJBU3 PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	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 3sp - STR Results

KVXB8G   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

KYCEU6   GlobalFiler™ (STRmix v2.4.06)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,18,19	12,13	NT
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	NT	NT	21,25.2	6,7	8,9
14	10	NT	NT	2	

KZUDF4   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

L2HAYU   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

L6JJ46   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

LFZ3M2   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,18.3,19.3	18,19,20	13,14	15.2,16.2,18,19	11,12,13	
8,10,11	11,12,13,14	13,14	18,19	10,11,12,13	11,12,13
11,12,13,19,20	10,11,15.2,16.2,17.2	27,28	14,15,16	X,Y	10,11,12
21,22,23,24			19,20,21,22,24.2,25.2	6,7	8,9
13,14	9,10			2	

LGR22Y   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

LKCZ8G   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	-
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	-	-	21,25.2	6,7	8,9
14	10	-	-	2	

LLMT8B   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

LUZQT9   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

LXEN2W   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

LYDKY7   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,18,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

M3PYR6   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

MCXJ3D   Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

MEHKWZ   GlobalFiler™ (STRmix)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

MGB6AY   GlobalFiler™ (STRmix)

3sp	14,15,16.3,18.3,19.3	17,18,19,20	13,14	15.2,16.2,18,19	11,12,13	
	9,10,11	11,12,13,14	13,14	17,18,19,20	10,11,12,13	11,12,13
	11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
	21,22,23,24			20,21,24.2,25,25.2	6,7	8,9
	13,14	10			2	

MP3P7K

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

MPKTMX   GlobalFiler™ (STRmix)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

MWHGKP   PowerPlex® Fusion 6C (STRmix)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	18,19	16		

MWXUX2   GlobalFiler™ (GeneMapper ID-X 1.5)

3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

MYQEAZ   PowerPlex® Fusion 6C

3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	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 3sp - STR Results

MZX33B — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

NA2D9Z — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

NFDEGQ — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

NHWFBC — GlobalFiler™ (STRmix v 2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,15	16.2,18,19	12,13	
3sp	10,11	12,13,14	14	18,19,20	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7,10	8,9
	14	10			2	

NJ96M2 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

NKMGJL — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15,18.3,19.3	17,18,19,20	13,14,15	15.2,16.2,18,19	11,12,13	NT
3sp	9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13
	11,12,19,20	10,11,15.2,16.2	27,28	14,15,16,17	X,Y	10,11,12
	21,22,23,24	NT	NT	20,21,24.2,25.2	5,6,7	8,9
	13,14	10	NT	NT	2	

NKYDL6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,18,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

NMRABY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

NV2P3T — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

NWHRZT — PowerPlex® 21 (GeneMapper IDX)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20		16.2,19	12,13	12,14
10,11	12,14		18,19	11,13	12,13
12,20	11,16.2	28		X,Y	11,12
22,24	9,12	8,13		6,7	8,9
14					

NXCGAN — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

NZDLM9 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

P73CVP — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

P9LDPB — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	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 3sp - STR Results

PRLGET   PowerPlex® Fusion 6C (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15,16,18.3,19.3	17,18,19,20	13,14	15.2,16.2,17,18,19	11,12,13,14	
9,10,11	11,12,13,14	13,14	17,18,19	10,11,12,13	11,12,13,14
11,12,19,20,21	10,11,15.2,16.2	27,28,29	14,15,16,17	X,Y	10,11,12
21,22,23,24,25	9,12	7,8,12,13	20,21,24.2,25.2	6,7	7,8,9
13,14	10	19	16		

PZVRLY   GlobalFiler™ (STRmix)

3sp					
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

Q4CJLR   Investigator® 24plex

3sp					
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

Q64L2F   GlobalFiler™ (STRmix v2.5)

3sp					
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

Q94WXF   GlobalFiler™ (STRmix v2.5)

3sp					
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

QBMXT2   GlobalFiler™

3sp					
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

QE9N9Y   PowerPlex® Fusion 6C (STRMix)

3sp					
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	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 3sp - STR Results

QGZRXY — PowerPlex® Fusion 6C (STRMix)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

QQJ7YF — GlobalFiler™ (STRmix v2.5)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

QR2X8Z — PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

QU48T3 — GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

QVV4HW — GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

R4NNAF — GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

R4QA7W — PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	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 3sp - STR Results

R6XXX8 — PowerPlex® Fusion

15,19.3	18,20	14	16.2,[18],19	12,13	
10,11	12,14	[12],14	18,[19]	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,[13]		6,7	8,9
14	10				

R78P63 — Identifiler®

	18,20		16.2,[18],19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

RBN986 — Investigator® 24plex (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

RCYWMB — GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	-
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	-	-	21,25.2	6,7	8,9
14	10	-	-	2	

RYJ7BB — Identifiler® Plus

	18,20		16.2,19	12,13	
10,11	12,14			11,13	12,13
12,20	11,16.2	28,28		X,Y	11,12
22,24				6,7	8,9
14,14					

T6UFRV — GlobalFiler™

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

T78ZJ7 — PowerPlex® Fusion 6C

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	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 3sp - STR Results

TAMHTA	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	
TGBDK7	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	
TJUEER	GlobalFiler™					
	15,19.3	18,20	14	16.2,18,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	
TJXWL4	GlobalFiler™ (STRmix)					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	
TNP9CT	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	
TPLF78	GlobalFiler™					
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	
TQHTNT	GlobalFiler™					
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	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 3sp - STR Results

TR6GZT GlobalFiler™ (STRmix v2.6.3)

Item						
	15,19.3	18,20	14	16.2,18,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

TW2876 GlobalFiler™ (STRmix)

Item						
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

TY63P8 GlobalFiler™

Item						
	15,19.3	18,20	14	16.2,19	12,13	-
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	-	-	21,25.2	6,7	8,9
	14	10	-	-	2	

U2VCLU GlobalFiler™ (STRmix)

Item						
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

U9ENPM PowerPlex® 21 (STRMIX v 2.8)

Item						
	15,19.3	18,20		16.2,19	12,13	12,14
3sp	10,11	12,14		18,19	11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24	9,12	8,13		6,7	8,9
	14,14					

UMUVFT PowerPlex® Fusion 6C

Item						
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

V2PK8J Investigator® 24plex QS

Item						
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

V9P2F4 Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp		18,20		16.2,19	12,13	
	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

VECVAF PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

VGHCPY PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

VKXTY4 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

VLBGJ3 PowerPlex® Fusion 6C (STRmix 2.6.1)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

VP8A9R GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

VY33NX PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	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 3sp - STR Results

W2PYWP   PowerPlex® Fusion 6C (STRmix v2.8.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

W8QF4N   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WAD4EN   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WC7NRN   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WCMVYQ   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14	10	19	16		

WE6BXW   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp		18,20		16.2,[18],19	12,13	
	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

WFHLB4   Investigator® 24plex (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3sp	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

WGF4ZC GlobalFiler™

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WH8ZP7 GlobalFiler™ (STRMIX)

3sp						
	15,19.3	18,20	14	16.2,18,19	12,13	
	10,11	12,14	14	18,19,20	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WJY6VX GlobalFiler™ (STRmix v2.4)

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	10			2	

WPB83N GlobalFiler™ (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WQ83Q6 Identifiler®

3sp						
		18,20		16.2,19	12,13	
	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

WTQEQM GlobalFiler™ (STRmix)

3sp						
	15,19.3	18,20	14	16.2,19	12,13	
	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	10			2	

WX3CA4 GlobalFiler™

3sp						
	15,19.3	18,20	14,14	16.2,19	12,13	
	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14,14	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 3sp - STR Results

XJDR8L GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

XJGADW PowerPlex® Fusion 6C (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

XL8Q9Q PowerPlex® Fusion 6C (STRmix v2.8)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14,14	10	19	16		

XQKCFC GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

XRC867 Investigator® 24plex QS (STRmix)

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

XRW4BE GlobalFiler™ (STRmix)

15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

XUCPRZ GlobalFiler™

15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

TABLE 2

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

Y9TVMY — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24	9,12	8,13	21,25.2	6,7	8,9
14	10	19	16		

YCH3C3 — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10				

YCXLWZ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

YHL2PD — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	10			2	

YL2M7Y — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,[19],20	14	16.2,[18],19	12,13	
10,11	12,[13],14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
[19],22,24			21,25.2,[30.2]	6,7	8,9
14	10			2	

YTHCVY — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14	16.2,19	12,13	
10,11	12,14	14	18,19	11,13	12,13
12,20	11,16.2	28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14	10			2	

YY2LUV — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,19.3	18,20	14,14	16.2,19	12,13	
10,11	12,14	14,14	18,19	11,13	12,13
12,20	11,16.2	28,28	15,16	X,Y	11,12
22,24			21,25.2	6,7	8,9
14,14	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 3sp - STR Results

YY8PWM   PowerPlex® Fusion 6C (STRmix v2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14,14	16.2,19	12,13	
3sp	10,11	12,14	14,14	18,19	11,13	12,13
	12,20	11,16.2	28,28	15,16	X,Y	11,12
	22,24	9,12	8,13	21,25.2	6,7	8,9
	14,14	10	19	16		

Z9DXVZ   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		18,20		16.2,[18],19	12,13	
3sp	10,11	12,14			11,13	12,13
	12,20	11,16.2	28,28		X,Y	11,12
	22,24				6,7	8,9
	14,14					

ZGQT3F   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	[14]	16.2,19	12,13	
3sp	10,11	[14]	14	18,19	11,13	12,13
	[20]	[11]	28	15,16	X,Y	11,12
	[24]			21,25.2	6,7	[9]
	14	[10]			2	

ZLXDYY   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,[13]	
3sp	10,[11]	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13		6,7	8,9
	14	10				

ZPXPUY   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24	9,12	8,13		6,7	8,9
	14	10				

ZRL62L   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,19.3	18,20	14	16.2,19	12,13	
3sp	10,11	12,14	14	18,19	11,13	12,13
	12,20	11,16.2	28	15,16	X,Y	11,12
	22,24			21,25.2	6,7	8,9
	14	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

27JMFQ   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2CP8DW   NGM SElect

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15		
	13,15	14,15	18,21		11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	
22,23			18,20	6,9	
17,19					

2EXCFK   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2K3AKH   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2KGG7Z   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2LU9YG   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2LV7AC   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

2M4HPT — PowerPlex® Fusion 6C (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2NE84Y — GlobalFiler™ (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2PFXJU — PowerPlex® Fusion 6C (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

2TA22Z — GlobalFiler™ (STRmix) (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2TVKWY — GlobalFiler™ (STRmix) (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2VY3A9 — GlobalFiler™ (STRmix 2.4.06) (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

2YK39P — PowerPlex® Fusion 6C (STRmix) (Item 4)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

2ZCWCK · PowerPlex® Fusion 6C (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

33E7RV · GlobalFiler™ (STRmix 2.4) (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

36KQGG · GlobalFiler™ (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

373BCY · PowerPlex® Fusion (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

3J2NMG · GlobalFiler™ (STRmix) (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3KZV2F · Identifiler® Plus (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

3LQ42J · PowerPlex® Fusion 6C (STRmix v2.8) (Item 4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

3NCWML — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3NHKCZ — Identifiler® Plus

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

3PA6V6 — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3Q7GZL — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3UJGWC — GlobalFiler™

18,21		13,14	15	10,13	
8,10	13,15	14,15	24,25	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3VANVF — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

3W3GRY — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

3W9KUQ   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

3X499F   GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

47C9WM   GlobalFiler™ (STRmix)

13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	NR
8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	8,11,12
21,22,23	NR	NR	17,18,19,20	6,8,9	8,9
16,17,18,19	10	NR	NR	2	

4J2Y47   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

4LKZYR   GlobalFiler™ (STRmix v2.4)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

4QXZVJ   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

4TNBZJ   PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

4TRK8H   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	
	7,8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
	17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	7,8,11,12
	21,22,23			17,17.2,18,19,19.2,20,21	6,8,9	8,9
	16,17,18,19	9,10			2	

4TTMMF   PowerPlex® 21

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25		15,15	10,13	11,19
	8,10	13,15		18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23	8,9	9,11		6,9	8,9
	17,19					

62EXNU   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

62TJXV   Investigator® 24plex QS (STRmix 2.9.1)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

64XYJF   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

6E6UN7   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

6JFR8M   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

6MTR4E — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

6QR7R4 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	NT
7,8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	7,8,11,12
21,22,23	NT	NT	17,18,19,20	5,6,8,9	8,9
16,17,18,19	10	NT	NT	2	

6UDRKQ — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

6WK4P8 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

74XHJN — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

7ANLZ8 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

7D4GDJ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

7FQ6PJ   GlobalFiler™ (STRmix V2.4.06)

	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7LH3P9   PowerPlex® Fusion 6C (STRmix)

4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

7N24JU   GlobalFiler™ (STRmix v2.4.06)

4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7TXVRR   GlobalFiler™ (STRmix)

4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7V646H   GlobalFiler™

4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7X7B2F   GlobalFiler™

4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

7XRXLJ   PowerPlex® Fusion 6C (STRmix 2.8)

4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

7ZG3KH PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

7ZZVDE GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

83ZLWY GlobalFiler™ (STRmix v2.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

86JMRL GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

86RHLT GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	19,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

88BJGF GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

8BAW2J GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

8F7ENC   PowerPlex® Fusion 6C (STRMix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item: 4)

8TBXZC   GlobalFiler™ (STRMix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

8TVEHZ   GlobalFiler™ (STRmix v2.5)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

8V3TN7   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

8VVV6T   GlobalFiler™ (STRmix V2.4.06)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

8WEFCL   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

8XLUJR   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item: 4)

TABLE 2

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

96FM6Q GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

97FDJL PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

97UYV9 PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

99GM89 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

9AFJ6J PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

9BNWKZ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

9D9UPH GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	13,14,15	23,24,25	12,13,14	14,15,16	9,10,12,13	
	7,8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
	17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	7,8,11,12
	21,22,23			17,18,19,20	5,6,8,9	7,8,9
	16,17,18,19	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

9DFR9U   GlobalFiler™ (STRMIX)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

9PA9WA   PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

9QGDNC   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

9RWW8A   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

9TNTW4   PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

9Z72KZ   GlobalFiler™ (STRMIX)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

A24PLB   GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

A7BBDE — PowerPlex® Fusion 6C (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

A8LDYD — PowerPlex® Fusion 6C (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

AC2KMC — PowerPlex® Fusion 6C (STRmix version 2.8.0) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

AELLHY — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

AMGNJA — PowerPlex® 6C — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

ARRQQZ — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

AW4MBF — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TABLE 2

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

AWQ4EP — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AYA69B — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

AZ24MA — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

B3AP22 — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

B7PBHM — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

B9UV99 — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

BE2FHY — PowerPlex® Fusion 6C (STRmix 2.6.2)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

BKBA2B PowerPlex® Fusion 6C (STRMix v2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

BNCH3Z PowerPlex® Fusion 6C (STRmix v. 2.6.2)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

BYRCGE PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

CAJHMG PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

CC8V6Z GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

CZR9UD GlobalFiler™ (STRmix V2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

CZY7DQ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	14,15	24,25	13,14	15,15	10,13	
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

D23BFC GlobalFiler™ (STRmix v2.4.06)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

D32AYK PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 4

D68UP7 GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

D8882X ForenSeq Signature

14,15	24,25	13,14	15	10,13	11,19
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

Item: 4

DA4EVB PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 4

DAEHZM GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

DBXA46 PowerPlex® 21

14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

Item: 4

TABLE 2

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

DEEHR6	Investigator® 24plex QS					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				
DF6V2B	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	NR
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NR	NR	18,20	6,9	8,9
	17,19	10	NR	NR	2	
DHC6XE	PowerPlex® Fusion 6C					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
DHXJLQ	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
DJ8TC3	PowerPlex® Fusion 6C (STRmix)					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		
DNJQVJ	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
DNNTXB	PowerPlex® Fusion 6C (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

DQ9UTW — GlobalFiler™ (STRmix v.2.4.06) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

DWY9Q4 — PowerPlex® 21 — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

DYHALQ — GlobalFiler™ (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

E7Z3AV — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12,[13]
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

E8RYYP — GlobalFiler™ (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

EACZUB — Identifiler® — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

EAYD7V — GlobalFiler™ — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

ECJEZG	GlobalFiler™ (STRmix 2.4)					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
EGD9Z4	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
EJLEL6	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
EKDBBY	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
EKWGAP	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
ERHZ36	Identifiler® Plus					
		24,25		15,15	10,13	
4	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23				6,9	8,9
	17,19					
ET46ZG	GlobalFiler™ (STRmix 2.4)					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

EYBMGH   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

F9JEL7   GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

FE9UEJ   GlobalFiler™ (STRmix)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

FFKTAR   GlobalFiler™ (STRmix v2.5)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

FGTVA6   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

FLKCA3   PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

FUYYJ7   GlobalFiler™ (STRmix v2.8)

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	
7,8,9,10	12,13,14,15,16	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	8,11,12
21,22,23			17,18,19,19.2,20	6,9	8,9
16,17,18,19	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

FYBW3M GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

G7Q8GY PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

G8G7VX Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10				

GAQBB8 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

GB26ZF GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

GB8837 PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

GDQ9XT GlobalFiler™ (STRmix v2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

GG9NA7   GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

GJQTX3   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GLKC8G   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GMCQE7   PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

GPJQV8   GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

GXUCGF   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

H6B3M8   PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

H8Z8L7   PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

HBGNKC   GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

HBL6UW   Identifiler® Plus (STRmix v 2.7.0)

	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

HG2WUV   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

HGN63D   PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

HMVUL8   PowerPlex® Fusion 6C (STRmix v2.8)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

HPEVGT   GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

HPV6FL — GlobalFiler™, MiniFiler

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

HQB2A7 — PowerPlex® Fusion 6C (STRmix v2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

HX7DU2 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

HX9XQH — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		24,25		15,15	10,13	
4	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23				6,9	8,9
	17,19					

J2B39W — Identifiler® Plus, MiniFiler (STRmix v.2.7.0)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		24,25		15,15	10,13	
4	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23				6,9	8,9
	17,19					

J3D27H — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

J68Z9M — GlobalFiler™ (STRmix v2.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

J8R23A — GlobalFiler™

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

J9PXZJ — GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

JCJ9LH — GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

JDJYZD — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

JN472M — GlobalFiler™ (STRmix v2.5)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

JNF368 — PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

JNJPLK — GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

JQM8VA — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

JRJTFT — PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

K3BTEA — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

K98B22 — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	
8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,16,17,18	X,Y	7,8,11,12
21,22,23			17,17.2,18,19,19.2,20	6,9	8,9
16,17,18,19	9,10			2	

KKCQLC — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

KLMHR8 — PowerPlex® 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	--
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	--	6,9	8,9
17,19	10	---	--	--	

KQJBU3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

KVXB8G — Identifiler® Plus

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4		24,25		15,15	10,13	
	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	22,23				6,9	8,9
	17,19					

KYCEU6 — GlobalFiler™ (STRmix v2.4.06)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15,15	10,13	NT
	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23	NT	NT	18,20	6,9	8,9
	17,19	10	NT	NT	2	

KZUDF4 — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

L2HAYU — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

L6JJ46 — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	8,9	9,11	18,20	6,9	8,9
	17,19	10	18	18		

LFZ3M2 — GlobalFiler™ (STRmix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	
	8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
	17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	8,11,12
	21,22,23			17,17.2,18,19,19.2,20	6,8,9	8,9
	16,17,18,19	9,10			2	

LGR22Y — GlobalFiler™ (STRmix)

Item	D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
4	14,15	24,25	13,14	15	10,13	
	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

LKCZ8G	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	-
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23	-	-	18,20	6,9	8,9
	17,19	10	-	-	2	
LLMT8B	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LUZQT9	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
LXEN2W	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
M3PYR6	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
M4ZUJN	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
MCXJ3D	Investigator® 24plex QS (STRmix)					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

MEHKWZ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

MGB6AY — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
13,14,14.2,15,16	23,24,25	12,13,14	13,14,15,16	9,10,12,13	
7,8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	7,8,11,12
21,22,23			17,17.2,18,19,19.2,20	6,8,9	8,9
16,17,18,19	9,10			2	

(Item 4)

MP3P7K

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

MPKTMX — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

MWHGKP — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 4)

MWXUX2 — GlobalFiler™ (GeneMapper ID-X 1.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

MXD28P — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

TABLE 2

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

MYQEAZ PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item 4

MZX33B GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item 4

NA2D9Z GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item 4

NFDEGQ PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item 4

NHWFBC GlobalFiler™ (STRmix v 2.4.06)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item 4

NJ96M2 PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item 4

NKMGJL GlobalFiler™ (STRmix)

13,14,15	23,24,25	12,13,14	14,15	9,10,12,13	NT
7,8,9,10	12,13,14,15	13,14,15	17,18,20,21	11,12	10,11,12
17,18,19	12.2,13.2	28,29,31.2,32.2	13,14,15,16,17,18	X,Y	8,11,12
21,22,23	NT	NT	17,18,19,20	6,8,9	8,9
16,17,18,19	10	NT	NT	2	

Item 4

TABLE 2

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

NKYDL6 — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

NMRABY — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

NV2P3T — PowerPlex® Fusion 6C (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

NWHRZT — PowerPlex® 21 (GeneMapper IDX) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

NXCGAN — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

NZDLM9 — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

P73CVP — PowerPlex® Fusion 6C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

P9LDPB — GlobalFiler™ (STRmix) — Item 4

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

PBW7TQ — GlobalFiler™ — Item 4

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

PRLGET — PowerPlex® Fusion 6C (STRmix) — Item 4

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

PZVRLY — GlobalFiler™ — Item 4

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Q4CJLR — Investigator® 24plex — Item 4

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Q64L2F — GlobalFiler™ (STRmix v2.5) — Item 4

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Q94WXF — GlobalFiler™ (STRmix v2.5) — Item 4

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

QBMXT2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

QE9N9Y — PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 4

QGZRXY — PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 4

QQJ7YF — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

QR2X8Z — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

Item: 4

QU48T3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Item: 4

QVV4HW — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

Item: 4

TABLE 2

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

R4NNAF　　GlobalFiler™ (STRMIX)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

R4QA7W　　PowerPlex® Fusion 6C (STRMix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

R62DB8　　GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

R6XXX8　　PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	[18],21	12	11,12
18,19	13.2	29,32.2	[14],17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	10				

RBN986　　Investigator® 24plex (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

RCYWMB　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	-
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	-	-	18,20	6,9	8,9
17,19	10	-	-	2	

RNQLMG　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

RWQW2L　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

RYJ7BB　　Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

T6UFRV　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

T78ZJ7　　PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

T8LPMH　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TAMHTA　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TBWM7X　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

TGBDK7	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TJUEER	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TJXWL4	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TK68H8	GlobalFiler™ (STRMix)					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TNP9CT	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TPLF78	GlobalFiler™					
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	
TQHTNT	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

TABLE 2

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

TR6GZT — GlobalFiler™ (STRmix v2.6.3) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TW2876 — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

TY63P8 — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	-
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	-	-	18,20	6,9	8,9
17,19	10	-	-	2	

U2VCLU — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

U9ENPM — PowerPlex® 21 — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25		15,15	10,13	11,19
8,10	13,15		18,21	12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19					

UMUVFT — PowerPlex® Fusion 6C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

V2PK8J — Investigator® 24plex QS — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

V9P2F4   Identifiler® Plus

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

VDXKFH   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

VECVAF   PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VGHCPY   PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VKXTY4   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

VLBGJ3   PowerPlex® Fusion 6C

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

VP8A9R   GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

VY33NX PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 4)

W2PYWP PowerPlex® Fusion 6C (STRmix v2.8.0)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 4)

W8QF4N GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

WAD4EN GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

WC7NRN GlobalFiler™ (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

(Item 4)

WCMVYQ PowerPlex® Fusion 6C (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

(Item 4)

WFHLB4 Investigator® 24plex (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10				

(Item 4)

TABLE 2

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

WGF4ZC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WH8ZP7   GlobalFiler™ (STRMIX)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WJY6VX   GlobalFiler™ (STRmix v2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WPB83N   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WQ83Q6   Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		24,25		15,15	10,13	
4	8,10	13,15			12,12	11,12
	18,19	13.2,13.2	29,32.2		X,Y	8,12
	23,23				6,9	8,9
	17,19					

WTQEQM   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	10			2	

WX3CA4   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15	24,25	13,14	15,15	10,13	
4	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

XJDR8L — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

XJGADW — PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

XL8Q9Q — PowerPlex® Fusion 6C (STRmix v2.8)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

XQKCFC — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

XUCPRZ — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Y9TVMY — PowerPlex® Fusion 6C

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

YCH3C3 — Investigator® 24plex QS (STRmix)

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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

YCXLWZ — GlobalFiler™

D1S1656 / D7S820 / D18S51 / FGA / vWA	D2S1338 / D8S1179 / D19S433 / Penta D / DYS391	D2S441 / D10S1248 / D21S11 / Penta E / DYS570	D3S1358 / D12S391 / D22S1045 / SE33 / DYS576	D5S818 / D13S317 / Amelogenin / TH01 / Y Indel	D6S1043 / D16S539 / CSF1PO / TPOX
14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YHL2PD — GlobalFiler™ (STRmix)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YJHLCD — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YL2M7Y — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YTHCVY — GlobalFiler™

14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YY2LUV — GlobalFiler™ (STRmix 2.4)

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

YY8PWM — PowerPlex® Fusion 6C

14,15	24,25	13,14	15,15	10,13	
8,10	13,15	14,15	18,21	12,12	11,12
18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

TABLE 2

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

Item 4 - STR Results

Z8GD9Z — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

Z9DXVZ — Identifiler® Plus — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

ZGQT3F — GlobalFiler™ — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ZL3TBZ — GlobalFiler™ (STRmix) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ZLXDYY — PowerPlex® Fusion 5C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,[Y]	[8],12
22,23	8,9	9,11		6,9	8,9
17,19	10				

ZP248Z — GlobalFiler™ (STRmix v2.6) — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	10			2	

ZPXPUY — PowerPlex® Fusion 5C — Item 4

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11		6,9	8,9
17,19	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

ZRL62L	GlobalFiler™					
	14,15	24,25	13,14	15	10,13	
4	8,10	13,15	14,15	18,21	12	11,12
	18,19	13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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 4e - STR Results

6V6QXP — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

B9WG6N — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

GJTDTJ — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

LYDKY7 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23	8,9	9,11	18,20	6,9	8,9
17,19	10	18	18		

R78P63 — Identifiler®

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

WE6BXW — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	24,25		15,15	10,13	
8,10	13,15			12,12	11,12
18,19	13.2,13.2	29,32.2		X,Y	8,12
22,23				6,9	8,9
17,19					

XRC867 — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15	24,25	13,14	15	10,13	
8,10	13,15	14,15	18,21	12	11,12
18,19	13.2	29,32.2	14,17	X,Y	8,12
22,23			18,20	6,9	8,9
17,19	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 4e - STR Results

XRW4BE	GlobalFiler™ (STRmix)					
	14,15	24,25	13,14	15,15	10,13	
4e	8,10	13,15	14,15	18,21	12,12	11,12
	18,19	13.2,13.2	29,32.2	14,17	X,Y	8,12
	22,23			18,20	6,9	8,9
	17,19	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

6V6QXP   Identifiler® Plus

4sp

B9WG6N   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		-,-		-,-	-,-	
4sp	-,-	-,-			-,-	-,-
	-,-	-,-	-,-		-,-	-,-
	-,-				-,-	-,-
	-,-					

GJTDTJ   Identifiler®

4sp

LYDKY7   PowerPlex® Fusion 6C

4sp

R78P63   Identifiler®

4sp

WE6BXW   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		24,-		15,-	10,-	
4sp	-,-	13,-			12,-	11,12
	18,-	13.2,-	29,32.2		-,-	8,-
	-,-				6,9	-,-
	-,-					

XRC867   Investigator® 24plex QS (STRmix)

4sp

TABLE 2

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

Item 4sp - STR Results

XRW4BE   GlobalFiler™ (STRmix)

14	NR	14	15	NR	
NR	13,15	15	NR	12	11,12
19	13.2	29,32.2	NR	X,Y	NR
22			20	6	8
17,19	10			NR	

YSTR Amplification Kit(s) & Results

TABLE 3

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

Item 2 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
2LV7AC — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
2M4HPT — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
2NE84Y — Yfiler™									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11
2PFXJU — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
3NCWML — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
3UJGWC — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
4J2Y47 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
4TTMMF — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
62TJXV — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
6E6UN7 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
6JFR8M — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

TABLE 3

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

WebCode / Item									
6TLP43 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
6WK4P8 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7ANLZ8 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7HJN2J — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7X7B2F — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
8V3TN7 — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9BNWKZ — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9PA9WA — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9QGDNC — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9RWW8A — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
9TNTW4 — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
9Z72KZ									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
AELLHY	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AG8LGE	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
ARRQQZ	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AVR2KE	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AYA69B	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
C3KT7D	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
CAJHMG	PowerPlex® Y 23								
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
CC8V6Z	Yfiler™								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
D23BFC	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
D32AYK	PowerPlex® Y 23								
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
D8882X	ForenSeq Signature								
2	38,39	15	17,18	13	30	21	10	11	
	14	11	11	21				11	25
		11	11	18	18		21	13	11
DBXA46	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		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**

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Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
DHXJLQ	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
DYHALQ	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
E7Z3AV	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
EAYD7V	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
ECJEZG	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
EKDBBY	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
EKWGAP	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
G7Q8GY	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
GAQBB8	PowerPlex® Y 23								
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
GDQ9XT	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
GEGPV8	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	NT	18	18	20	21	NT	11
HBL6UW	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		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

HG2WUV	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
HPEVGT	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
HPV6FL	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
HR9ETT	PowerPlex® Y 23								
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
HX7DU2	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
J2B39W	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
J9PXZJ	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
JNF368	PowerPlex® Y 23								
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
JNJPLK	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
JTWBT7	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
K3BTEA	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
KKCQLC	Yfiler™ Plus								
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

WebCode — Amplification Kit

Item 2 - YSTR Results

WebCode / Item (Kit)	DYF387S1 DYS437 DYS518	DYS19 DYS438 DYS533	DYS385 DYS439 DYS549	DYS389-I DYS448 DYS570	DYS389-II DYS449 DYS576	DYS390 DYS456 DYS627	DYS391 DYS458 DYS635	DYS392 DYS460 DYS643	DYS393 DYS481 YGATAH4
KLMHR8 — PowerPlex® Y 23	--	15	17,18	13	30	21	10	11	14
2	14	11	11	21	--	16	16	--	25
	--	11	11	18	18	--	21	13	11
L2HAYU — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
2	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
LKCZ8G — Yfiler™	-	15	17,18	13	30	21	10	11	14
2	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
LQGPYM — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
LUZQT9 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
M4ZUJN — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MCXJ3D — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
2	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
MMF2VK — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MP3P7K		15	17,18	13	30	21	10	11	14
2	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
MWXUX2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MXD28P — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
NA2D9Z — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
2	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item 2 - YSTR Results

WebCode / Item / Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
NFDEGQ 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
NMRABY 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
NWHRZT 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
NXCGAN 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
P73CVP 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
PBW7TQ 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
PZVRLY 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
RCYWMB 2 — Yfiler™	-	15	17,18	13	30	21	10	11	14
	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
RM4XBG 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	NR	18	18	20	21	NR	11
RNQLMG 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
RWQW2L 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
T8LPMH 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
TAMHTA 2 — Yfiler™		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11
TBWM7X 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TNP9CT 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TUG7CH 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TY63P8 2 — Yfiler™	-	15	17,18	13	30	21	10	11	14
	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
VDXKFH 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
VECVAF 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
VP8A9R 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WAD4EN 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WCKA3B 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WGF4ZC 2 — Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
XJDR8L 2 — PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11

TABLE 3

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

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WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
XQKCFC — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
XRC867 — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
XRW4BE — Yfiler™									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11
Y9TVMY — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
YCH3C3 — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
YJHLCD — Yfiler™ Plus									
2	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
ZLXDYY — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
ZPXPUY — PowerPlex® Y 23									
2		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	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

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
3UJGWC — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
6E6UN7 — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
6WK4P8 — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
9TNTW4 — PowerPlex® Y 23									
3		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
CC8V6Z — Yfiler™									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
HG2WUV — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
M4ZUJN — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
MWXUX2 — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
MXD28P — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
PBW7TQ — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
R78P63 — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
RNQLMG — Yfiler™ Plus									
3	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		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

RWQW2L — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

T8LPMH — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

TBWM7X — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	17,18	13	31	21	10	11	15
14	11	12	21		16	15		25
	12	11	19	16		21	13	11

VDXKFH — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

VECVAF — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	15	17,18	13	31	21	10	11	15
14	11	12	21		16	15		25
	12	11	19	16		21	13	11

WE6BXW — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

YJHLCD — Yfiler™ Plus

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

Z9DXVZ — Yfiler™

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
37,41	15	17,18	13	31	21	10	11	15
14	11	12	21	32	16	15	8	25
40	12		19	16	18	21		11

TABLE 3

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

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
2LV7AC Yfiler™ Plus									
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
2M4HPT PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
2NE84Y Yfiler™									
3e									
2PFXJU PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
3NCWML Yfiler™ Plus									
3e	37,41	15	17	13	31	21	10		15
		11	12	21		16	15	8	25
	40	12		19	16	18	21		11
4J2Y47 Yfiler™ Plus									
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
4TTMMF Yfiler™ Plus									
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
62TJXV PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
6JFR8M PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
6TLP43 Yfiler™ Plus									
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
6V6QXP Yfiler™ Plus									
3e									
7ANLZ8 Yfiler™ Plus									
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

7HJN2J — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

7X7B2F — PowerPlex® Y 23

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

8V3TN7 — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

9BNWKZ — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

9PA9WA — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

9QGDNC — PowerPlex® Y 23

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

9RWW8A — PowerPlex® Y 23

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

9Z72KZ

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

AELLHY — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

AG8LGE — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

ARRQQZ — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

AVR2KE — Yfiler™ Plus

Item	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3e - YSTR Results

AYA69B — Yfiler™ Plus

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

B9WG6N — Yfiler™ Plus

3e									

C3KT7D — Yfiler™ Plus

3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

CAJHMG — PowerPlex® Y 23

3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

D23BFC — Yfiler™ Plus

3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

D32AYK — PowerPlex® Y 23

3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

D8882X — ForenSeq Signature

3e			17	13		21	10	11	
	14	11	12	21				8	25
		12	11	19	16		21	13	11

DBXA46 — Yfiler™ Plus

3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

DHXJLQ — Yfiler™ Plus

3e									

DYHALQ — Yfiler™ Plus

3e									

E7Z3AV — Yfiler™ Plus

3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

EAYD7V — Yfiler™ Plus

3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3e - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ECJEZG 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
EKDBBY 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
EKWGAP 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
G7Q8GY 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
GAQBB8 3e	PowerPlex® Y 23								
GDQ9XT 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
GEGPV8 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12	NT	19	16	18	21	NT	11
GJTDTJ 3e	Yfiler™								
HBL6UW 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
HPV6FL 3e	Yfiler™ Plus								
HR9ETT 3e	PowerPlex® Y 23								
		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
HX7DU2 3e	Yfiler™ Plus								
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		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**	**YGATA4**

Item 3e - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATA4
HX9XQH 3e — Yfiler™ Plus									
J2B39W 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
J9PXZJ 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
JNF368 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
JTWBT7 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
K3BTEA 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
KKCQLC 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
KLMHR8 3e — PowerPlex® Y 23	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	25
	-	12	11	19	16	-	21	13	11
L2HAYU 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
LKCZ8G 3e — Yfiler™	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11
LQGPYM 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
LUZQT9 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3e - YSTR Results

MCXJ3D	PowerPlex® Y 23							
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

MMF2VK	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

MP3P7K								
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

NA2D9Z	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

NFDEGQ	PowerPlex® Y 23							
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

NMRABY	PowerPlex® Y 23							
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

NWHRZT	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

NXCGAN	Yfiler™ Plus							
3e									

P73CVP	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

PZVRLY	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

RCYWMB	Yfiler™							
3e	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11

RM4XBG	Yfiler™ Plus							
3e	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12	NR	19	16	18	21	NR	11

TABLE 3

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

Item 3e - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
TAMHTA 3e — Yfiler™		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		
							21		11
TNP9CT 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
TUG7CH 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
TY63P8 3e — Yfiler™	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11
V9P2F4 3e — Yfiler™ Plus									
VP8A9R 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WAD4EN 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WCKA3B 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WGF4ZC 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
XJDR8L 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
XQKCFC 3e — Yfiler™ Plus	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
XRC867 3e — PowerPlex® Y 23		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11

TABLE 3

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

Item 3e - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
XRW4BE — Yfiler™									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		
							21		11
Y9TVMY — PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
YCH3C3 — PowerPlex® Y 23									
3e		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
ZLXDYY — PowerPlex® Y 23									
3e		15	17,[18]	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
ZPXPUY — PowerPlex® Y 23									
3e		15	17,[18]	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

TABLE 3

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

Item 3sp - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
2LV7AC — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
2M4HPT — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
2NE84Y — Yfiler™									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		
							21		11
2PFXJU — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
3NCWML — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
4J2Y47 — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
4TTMMF — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
62TJXV — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
6JFR8M — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
6TLP43 — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
6V6QXP — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
7ANLZ8 — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3sp - YSTR Results

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
7HJN2J — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
7X7B2F — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
8V3TN7 — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
9BNWKZ — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
9PA9WA — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
9QGDNC — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
9RWW8A — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
9Z72KZ									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
AELLHY — Yfiler™ Plus									
3sp									
AG8LGE — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
ARRQQZ — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
AVR2KE — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3sp - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
AYA69B — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
B9WG6N — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
C3KT7D — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
CAJHMG — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
D23BFC — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
D32AYK — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
D8882X — ForenSeq Signature									
3sp	37,41	15	17,18	13	31	21	10	11	
	14	11	12	21				8	25
	12	11		19	16		21	13	11
DBXA46 — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
DHXJLQ — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
DYHALQ — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
E7Z3AV — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
EAYD7V — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item 3sp - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ECJEZG	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
EKDBBY	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
EKWGAP	Yfiler™ Plus								
3sp									
G7Q8GY	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
GAQBB8	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
GDQ9XT	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
GEGPV8	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12	NT	19	16	18	21	NT	11
GJTDTJ	Yfiler™								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
HBL6UW	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
HPV6FL	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
HR9ETT	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
HX7DU2	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Amplification Kit

Item 3sp - YSTR Results

HX9QH — 3sp — Yfiler™ Plus

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

J2B39W — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

J9PXZJ — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

JNF368 — 3sp — PowerPlex® Y 23

		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

JTWBT7 — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

K3BTEA — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

KKCQLC — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

KLMHR8 — 3sp — PowerPlex® Y 23

	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	25
	-	12	11	19	16	-	21	13	11

L2HAYU — 3sp — PowerPlex® Y 23

		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

LKCZ8G — 3sp — Yfiler™

	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11

LQGPYM — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

LUZQT9 — 3sp — Yfiler™ Plus

	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11

TABLE 3

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
MCXJ3D — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
MMF2VK — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
MP3P7K									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
NA2D9Z — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
NFDEGQ — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
NMRABY — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
NWHRZT — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
NXCGAN — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
P73CVP — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
PZVRLY — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
RCYWMB — Yfiler™									
3sp	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11
RM4XBG — Yfiler™ Plus									
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12	NR	19	16	18	21	NR	11

TABLE 3

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

Item 3sp - YSTR Results

Item									
TAMHTA	Yfiler™								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		
							21		11
TNP9CT	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
TUG7CH	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
TY63P8	Yfiler™								
3sp	-	15	17,18	13	31	21	10	11	15
	14	11	12	21	-	16	15	-	-
	-	-	-	-	-	-	21	-	11
V9P2F4	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
VP8A9R	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WAD4EN	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WCKA3B	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
WGF4ZC	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
XJDR8L	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11
XQKCFC	Yfiler™ Plus								
3sp	37,41	15	17,18	13	31	21	10	11	15
	14	11	12	21	32	16	15	8	25
	40	12		19	16	18	21		11
XRC867	PowerPlex® Y 23								
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
	12	11	19	16			21	13	11

TABLE 3

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

Amplification Kit

Item 3sp - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
XRW4BE — Yfiler™									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		
							21		11
Y9TVMY — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
YCH3C3 — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
ZLXDYY — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11
ZPXPUY — PowerPlex® Y 23									
3sp		15	17,18	13	31	21	10	11	15
	14	11	12	21		16	15		25
		12	11	19	16		21	13	11

TABLE 3

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

Item 4 - YSTR Results

2LV7AC — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

2M4HPT — PowerPlex® Y 23 (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

2NE84Y — Yfiler™ (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11

2PFXJU — PowerPlex® Y 23 (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

3NCWML — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

3UJGWC — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

4J2Y47 — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

4TTMMF — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

62TJXV — PowerPlex® Y 23 (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

6E6UN7 — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

6JFR8M — PowerPlex® Y 23 (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

6TLP43 — Yfiler™ Plus (Item 4)

	DYF387S1/DYS437/DYS518	DYS19/DYS438/DYS533	DYS385/DYS439/DYS549	DYS389-I/DYS448/DYS570	DYS389-II/DYS449/DYS576	DYS390/DYS456/DYS627	DYS391/DYS458/DYS635	DYS392/DYS460/DYS643	DYS393/DYS481/YGATAH4
	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item 4 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
6WK4P8	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7ANLZ8	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7HJN2J	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
7X7B2F	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
8V3TN7	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9BNWKZ	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9PA9WA	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9QGDNC	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
9RWW8A	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
9TNTW4	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
9Z72KZ									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AG8LGE	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

Item 4 - YSTR Results

WebCode / Item — Amplification Kit	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ARRQQZ — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AVR2KE — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
AYA69B — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
C3KT7D — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
CAJHMG — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
CC8V6Z — Yfiler™									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
D23BFC — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
D32AYK — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
D8882X — ForenSeq Signature									
4	38,39	15	17,18	13	30	21	10	11	
	14	11	11	21				11	25
	11	11		18	18		21	13	11
DBXA46 — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
E7Z3AV — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
EAYD7V — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item 4 - YSTR Results

WebCode / Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
ECJEZG — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
EKDBBY — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
G7Q8GY — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
GAQBB8 — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
GDQ9XT — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
GEGPV8 — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	NT	18	18	20	21	NT	11
HBL6UW — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
HG2WUV — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
HR9ETT — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
HX7DU2 — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
J2B39W — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
J9PXZJ — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item 4 - YSTR Results

WebCode Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
JNF368 PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
4	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
JNJPLK Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
JTWBT7 Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
K3BTEA Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
KKCQLC Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
KLMHR8 PowerPlex® Y 23	-	15	17,18	13	30	21	10	11	14
4	14	11	11	21	-	16	16	-	25
	-	11	11	18	18	-	21	13	11
L2HAYU PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
4	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
LKCZ8G Yfiler™	-	15	17,18	13	30	21	10	11	14
4	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
LQGPYM Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
LUZQT9 Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
M4ZUJN Yfiler™ Plus	38,39	15	17,18	13	30	21	10	11	14
4	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MCXJ3D PowerPlex® Y 23		15	17,18	13	30	21	10	11	14
4	14	11	11	21		16	16		25
		11	11	18	18		21	13	11

TABLE 3

WebCode — Amplification Kit

Item 4 - YSTR Results

Item	DYF387S1 / DYS437 / DYS518	DYS19 / DYS438 / DYS533	DYS385 / DYS439 / DYS549	DYS389-I / DYS448 / DYS570	DYS389-II / DYS449 / DYS576	DYS390 / DYS456 / DYS627	DYS391 / DYS458 / DYS635	DYS392 / DYS460 / DYS643	DYS393 / DYS481 / YGATAH4
MMF2VK — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MP3P7K									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
MWXUX2 — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
MXD28P — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
NA2D9Z — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
NFDEGQ — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
NMRABY — PowerPlex® Y 23									
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
		11	11	18	18		21	13	11
NWHRZT — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
NXCGAN — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
P73CVP — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
PBW7TQ — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
PZVRLY — Yfiler™ Plus									
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11

TABLE 3

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

Item 4 - YSTR Results

RCYWMB	Yfiler™								
4	-	15	17,18	13	30	21	10	11	14
	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
RM4XBG	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11	NR	18	18	20	21	NR	11
RNQLMG	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
RWQW2L	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
T8LPMH	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
TAMHTA	Yfiler™								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11
TBWM7X	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TNP9CT	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TUG7CH	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
TY63P8	Yfiler™								
4	-	15	17,18	13	30	21	10	11	14
	14	11	11	21	-	16	16	-	-
	-	-	-	-	-	-	21	-	11
VDXKFH	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
VECVAF	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11

TABLE 3

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

Item 4 - YSTR Results

VP8A9R	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WAD4EN	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WCKA3B	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
WGF4ZC	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
XJDR8L	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
XQKCFC	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
Y9TVMY	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
YCH3C3	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
YJHLCD	Yfiler™ Plus								
4	38,39	15	17,18	13	30	21	10	11	14
	14	11	11	21	30	16	16	11	25
	40	11		18	18	20	21		11
ZLXDYY	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11
ZPXPUY	PowerPlex® Y 23								
4		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11		18	18		21	13	11

TABLE 3

WebCode	Amplification Kit								
Item	**DYF387S1**	**DYS19**	**DYS385**	**DYS389-I**	**DYS389-II**	**DYS390**	**DYS391**	**DYS392**	**DYS393**
	DYS437	**DYS438**	**DYS439**	**DYS448**	**DYS449**	**DYS456**	**DYS458**	**DYS460**	**DYS481**
	DYS518	**DYS533**	**DYS549**	**DYS570**	**DYS576**	**DYS627**	**DYS635**	**DYS643**	**YGATAH4**
Item 4e - YSTR Results
XRC867	PowerPlex® Y 23								
4e		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		25
	11	11	18	18			21	13	11
XRW4BE	Yfiler™								
4e		15	17,18	13	30	21	10	11	14
	14	11	11	21		16	16		
							21		11

TABLE 3

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

Item 4sp - YSTR Results

XRC867	PowerPlex® Y 23								
4sp									

XRW4BE	Yfiler™								
4sp		NR	NR	NR	NR	NR	NR	NR	NR
	NR	NR	NR	NR		NR	NR		
							NR		NR

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

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
27JMFQ	No Interp	No Interp	No Interp	No Interp	3X499F	Yes	No	No	Yes
2CP8DW	Yes	No	No	Yes	47C9WM	Yes	No	No	Yes
2EXCFK	Yes	No	No	Yes	4J2Y47	Yes	No	No	Yes
2K3AKH	Yes	No	No	Yes	4LKZYR	Yes	No	No	Yes
2KGG7Z	Yes	No	No	Yes	4QXZVJ	Yes	No	No	Yes
2LU9YG	Yes	No	No	Yes	4TNBZJ	Yes	No	No	Yes
2LV7AC	Yes	No	No	Yes	4TRK8H	Yes	No	No	Yes
2M4HPT	Yes	No	No	Yes	4TTMMF	Yes	No	No	Yes
2NE84Y	Yes	No	No	Yes	4VCNH2	No Interpretations Reported, DNA Analyzed for Database purposes only.			
2PFXJU	Yes	No	No	Yes	62EXNU	Yes	No	No	Yes
2QPZ8D	No Interp	No Interp	No Interp	No Interp	62TJXV	Yes	No	No	Yes
2TA22Z	Yes	No	No	Yes	64XYJF	Yes	No	No	Yes
2TVKWY	Yes	No	No	Yes	6E6UN7	Yes	No	No	Yes
2VY3A9	Yes	No	No	Yes	6JFR8M	Yes	No	No	Yes
2YK39P	Yes	No	No	Yes	6KAQAR	No Interp	No Interp	No Interp	No Interp
2ZCWCK	Yes	No	No	Yes	6MTR4E	Yes	No	No	Yes
33E7RV	Yes	No	No	Yes	6QR7R4	Yes	No	No	Yes
36KQGG	Yes	No	No	Yes	6TLP43	No Interp	No Interp	No	Yes
373BCY	Yes	No	No	Yes	6UDRKQ	Yes	No	No	Yes
3J2NMG	Yes	No	No	Yes	6V6QXP	Yes	No	No	Yes
3KZV2F	Yes	No	No	Yes	6WK4P8	Yes	No	No	Yes
3LQ42J	Yes	No	No	Yes	74XHJN	Yes	No	No	Yes
3NCWML	No Interp	No Interp	No Interp	No Interp	7ANLZ8	Yes	No	No	Yes
3NHKCZ	Yes	No	No	Yes	7D4GDJ	Yes	No	No	Yes
3PA6V6	Yes	No	No	Yes	7D74VX	No Interpretations Reported, DNA Analyzed for Database purposes only.			
3Q7GZL	Yes	No	No	Yes	7FQ6PJ	Yes	No	No	Yes
3UJGWC	Yes	No	No	Yes	7HJN2J	No Interp	No Interp	No	Yes
3VANVF	Yes	No	No	Yes	7LH3P9	Yes	No	No	Yes
3W3GRY	Yes	No	No	Yes	7N24JU	Yes	No	No	Yes
3W9KUQ	Yes	No	No	Yes					

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
7TXVRR	Yes	No	No	Yes	9Z72KZ	Yes	No	No	Yes
7V646H	Yes	No	No	Yes	A24PLB	Yes	No	No	Yes
7X7B2F	Yes	No	No	Yes	A2GENM	No Interp	No Interp	No Interp	No Interp
7XRXLJ	Yes	No	No	Yes	A7BBDE	Yes	No	No	Yes
7ZG3KH	Yes	No	No	Yes	A8LDYD	Yes	No	No	Yes
7ZZVDE	Yes	No	No	Yes	AC2KMC	Yes	No	No	Yes
83ZLWY	Yes	No	No	Yes	AELLHY	Yes	No	No	Yes
86JMRL	Yes	No	No	Yes	AG8LGE	No Interp	No Interp	No	Yes
86RHLT	Yes	No	No	Yes	AMGNJA	Yes	No	No	Yes
88BJGF	Yes	No	No	Yes	ARRQQZ	Yes	No	No	Yes
8BAW2J	Yes	No	No	Yes	AVR2KE	No Interp	No Interp	No	Yes
8F7ENC	Yes	No	No	Yes	AW4MBF	Yes	No	No	Yes
8TBXZC	Yes	No	No	Yes	AWQ4EP	Yes	No	No	Yes
8TVEHZ	Yes	No	No	Yes	AXH3TM	No Interp	No Interp	No Interp	No Interp
8V3TN7	Yes	No	No	Yes	AYA69B	Yes	No	No	Yes
8VVV6T	Yes	No	No	Yes	AZ24MA	Yes	No	No	Yes
8WEFCL	Yes	No	No	Yes	B3AP22	Yes	No	No	Yes
8XLUJR	Yes	No	No	Yes	B6BVDM	No Interp	No Interp	No Interp	No Interp
96FM6Q	Yes	No	No	Yes	B7PBHM	Yes	No	No	Yes
97FDJL	Yes	No	No	Yes	B9UV99	Yes	No	No	Yes
97UYV9	Yes	No	No	Yes	B9WG6N	Yes	No	No	Yes
99GM89	Yes	No	No	Yes	BE2FHY	Yes	No	No	Yes
9AFJ6J	Yes	No	No	Yes	BKBA2B	Yes	No	No	Yes
9BNWKZ	Yes	No	No	Yes	BNCH3Z	Yes	No	No	Yes
9D9UPH	Yes	No	No	Yes	BYRCGE	Yes	No	No	Yes
9DFR9U	Yes	No	No	Yes	C3KT7D	No Interp	No Interp	No	Yes
9NCVDM	No Interp	No Interp	No Interp	No Interp	C8WYLJ	No Interp	No Interp	No Interp	No Interp
9PA9WA	Yes	No	No	Yes	CAJHMG	Yes	No	No	Yes
9QGDNC	Yes	No	No	Yes	CC8V6Z	Yes	No	No	Yes
9RWW8A	Yes	No	No	Yes	CZR9UD	Yes	No	No	Yes
9TNTW4					CZY7DQ	Yes	No	No	Yes
9VHD93	No Interp	No Interp	No Interp	No Interp	D23BFC	Yes	No	No	Yes
9YFULW	No Interpretations Reported, DNA Analyzed for Database purposes only.				D32AYK	Yes	No	No	Yes

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
D68UP7	Yes	No	No	Yes	FFKTAR	Yes	No	No	Yes
D8882X	Yes	No	No	Yes	FGTVA6	Yes	No	No	Yes
DA4EVB	Yes	No	No	Yes	FLKCA3	Yes	No	No	Yes
DAEHZM	Yes	No	No	Yes	FUYYJ7	Yes	No	No	Yes
DBXA46	Yes	No	No	Yes	FYBW3M	Yes	No	No	Yes
DEEHR6	Yes	No	No	Yes	G7Q8GY	Yes	No	No	Yes
DF6V2B	Yes	No	No	Yes	G8G7VX	Yes	No	No	Yes
DHC6XE	Yes	No	No	Yes	GAQBB8	Yes	No	No	Yes
DHXJLQ	Yes	No	No	Yes	GB26ZF	Yes	No	No	Yes
DJ8TC3	Yes	No	No	Yes	GB8837	Yes	No	No	Yes
DKYRQ2	No Interp	No Interp	No Interp	No Interp	GDQ9XT	Yes	No	No	Yes
DNJQVJ	Yes	No	No	Yes	GEGPV8	No Interp	No Interp	No	Yes
DNNTXB	Yes	No	No	Yes	GG9NA7	Yes	No	No	Yes
DQ9UTW	Yes	No	No	Yes	GJQTX3	Yes	No	No	Yes
DWY9Q4	Yes	No	No	Yes	GJTDTJ	Yes	No	No	Yes
DYHALQ	Yes	No	No	Yes	GLKC8G	Yes	No	No	Yes
E4VAHH	No Interp	No Interp	No Interp	No Interp	GMCQE7	Yes	No	No	Yes
E7Z3AV	Yes	No	No	Yes	GPJQV8	Yes	No	No	Yes
E8RYYP	Yes	No	No	Yes	GXUCGF	Yes	No	No	Yes
EACZUB	Yes	No	No	Yes	H6B3M8	Yes	No	No	Yes
EAYD7V	Yes	No	No	Yes	H8Z8L7	Yes	No	No	Yes
ECJEZG	Yes	No	No	Yes	HBGNKC	Yes	No	No	Yes
EDBBPB	No Interp	No Interp	No Interp	No Interp	HBL6UW	Yes	No	No	Yes
EGD9Z4	Yes	No	No	Yes	HG2WUV	Yes	No	No	Yes
EJLEL6	Yes	No	No	Yes	HGN63D	Yes	No	No	Yes
EKDBBY	Yes	No	No	Yes	HK4XWD	No Interp	No Interp	No Interp	No Interp
EKWGAP	No Interp	No Interp	No Interp	No Interp	HMVUL8	Yes	No	No	Yes
ERHZ36	Yes	No	No	Yes	HPEVGT	Yes	No	No	Yes
ET46ZG	Yes	No	No	Yes	HPV6FL	No Interp	No Interp	No Interp	No Interp
EU32XQ	No Interpretations Reported, DNA Analyzed for Database purposes only.				HQB2A7	Yes	No	No	Yes
					HR9ETT	No Interp	No Interp	No	Yes
EYBMGH	Yes	No	No	Yes	HVLCZF	No Interp	No Interp	No Interp	No Interp
F9JEL7	Yes	No	No	Yes	HX7DU2	Yes	No	No	Yes
FE9UEJ	Yes	No	No	Yes					

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
HX9XQH	Yes	No	No	Yes	M4ZUJN	Yes	No	No	Yes
J2B39W	Yes	No	No	Yes	M7RQ9H	No Interpretations Reported, DNA Analyzed for Database purposes only.			
J3D27H	Yes	No	No	Yes	MCXJ3D	Yes	No	No	Yes
J68Z9M	Yes	No	No	Yes	MEHKWZ	Yes	No	No	Yes
J8R23A	Yes	No	No	Yes	MGB6AY	Yes	No	No	Yes
J9PXZJ	Yes	No	No	Yes	MMF2VK	No Interp	No Interp	No	Yes
JCJ9LH	Yes	No	No	Yes	MP3P7K	Yes	No	No	Yes
JDJYZD	Yes	No	No	Yes	MPKTMX	Yes	No	No	Yes
JN472M	Yes	No	No	Yes	MWHGKP	Yes	No	No	Yes
JNF368	Yes	No	No	Yes	MWXUX2	Yes	No	No	Yes
JNJPLK	Yes	No	No	Yes	MXD28P	Yes	No	No	Yes
JQM8VA	Yes	No	No	Yes	MYQEAZ	Yes	No	No	Yes
JRJTFT	Yes	No	No	Yes	MZX33B	Yes	No	No	Yes
JTWBT7	No Interp	No Interp	No	Yes	NA2D9Z	Yes	No	No	Yes
K3BTEA	Yes	No	No	Yes	NFDEGQ	Yes	No	No	Yes
K98B22	Yes	No	No	Yes	NHWFBC	Yes	No	No	Yes
KKCQLC	Yes	No	No	Yes	NJ96M2	Yes	No	No	Yes
KLMHR8	Yes	No	No	Yes	NKMGJL	Yes	No	No	Yes
KQJBU3	Yes	No	No	Yes	NKYDL6	Yes	No	No	Yes
KVXB8G	Yes	No	No	Yes	NMRABY	Yes	No	No	Yes
KYCEU6	Yes	No	No	Yes	NTZJQ8	No Interp	No Interp	No Interp	No Interp
KZUDF4	Yes	No	No	Yes	NV2P3T	Yes	No	No	Yes
L2HAYU	Yes	No	No	Yes	NWHRZT	Yes	No	No	Yes
L6JJ46	Yes	No	No	Yes	NXCGAN	Yes	No	No	Yes
LFZ3M2	Yes	No	No	Yes	NZDLM9	Yes	No	No	Yes
LGR22Y	Yes	No	No	Yes	P73CVP	Yes	No	No	Yes
LKCZ8G	Yes	No	No	Yes	P9LDPB	Yes	No	No	Yes
LLMT8B	Yes	No	No	Yes	PBW7TQ	Yes	No	No	Yes
LQGPYM	No Interp	No Interp	No	Yes	PRLGET	Yes	No	No	Yes
LUZQT9	Yes	No	No	Yes	PZVRLY	Yes	No	No	Yes
LXEN2W	Yes	No	No	Yes	Q4CJLR	Yes	No	No	Yes
LYDKY7	Yes	No	No	Yes	Q64L2F	Yes	No	No	Yes
M3PYR6	Yes	No	No	Yes	Q94WXF	Yes	No	No	Yes

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
QBMXT2	Yes	No	No	Yes	TR6GZT	Yes	No	No	Yes
QE9N9Y	Yes	No	No	Yes	TUG7CH	No Interp	No Interp	No	Yes
QGZRXY	Yes	No	No	Yes	TW2876	Yes	No	No	Yes
QQJ7YF	Yes	No	No	Yes	TY63P8	Yes	No	No	Yes
QR2X8Z	Yes	No	No	Yes	U2VCLU	Yes	No	No	Yes
QU48T3	Yes	No	No	Yes	U9ENPM	Yes	No	No	Yes
QVV4HW	Yes	No	No	Yes	UBYPJA	No Interpretations Reported, DNA Analyzed for Database purposes only.			
R4NNAF	Yes	No	No	Yes	UMUVFT	Yes	No	No	Yes
R4QA7W	Yes	No	No	Yes	V2PK8J	Yes	No	No	Yes
R62DB8	Yes	No	No	Yes	V9P2F4	Yes	No	No	Yes
R6XXX8	Yes	No	No	Yes	VAZYQZ	No Interp	No Interp	No Interp	No Interp
R78P63	Yes	No	No	Yes	VDXKFH	Yes	No	No	Yes
R7ADLF					VECVAF	Yes	No	No	Yes
RBN986	Yes	No	No	Yes	VGHCPY	Yes	No	No	Yes
RCYWMB	Yes	No	No	Yes	VKXTY4	Yes	No	No	Yes
RM4XBG	No Interp	No Interp	No	Yes	VLBGJ3	Yes	No	No	Yes
RNQLMG	Yes	No	No	Yes	VP8A9R	Yes	No	No	Yes
RWQW2L	Yes	No	No	Yes	VY33NX	Yes	No	No	Yes
RYJ7BB	Yes	No	No	Yes	W2PYWP	Yes	No	No	Yes
T6UFRV	Yes	No	No	Yes	W8QF4N	Yes	No	No	Yes
T78ZJ7	Yes	No	No	Yes	WAD4EN	Yes	No	No	Yes
T8LPMH	Yes	No	No	Yes	WC7NRN	Yes	No	No	Yes
T9DLCC	No Interpretations Reported, DNA Analyzed for Database purposes only.				WCKA3B	No Interp	No Interp	No	Yes
TAMHTA	Yes	No	No	Yes	WCMVYQ	Yes	No	No	Yes
TBWM7X	Yes	No	No	Yes	WE6BXW	Yes	No	No	Yes
TGBDK7	Yes	No	No	Yes	WEC9G9	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TH2CY4	No Interp	No Interp	No Interp	No Interp	WFHLB4	Yes	No	No	Yes
TJUEER	Yes	No	No	Yes	WGF4ZC	Yes	No	No	Yes
TJXWL4	Yes	No	No	Yes	WH8ZP7	Yes	No	No	Yes
TK68H8	Yes	No	No	Yes	WJY6VX	Yes	No	No	Yes
TNP9CT	Yes	No	No	Yes	WLQ2KR	No Interp	No Interp	No Interp	No Interp
TPLF78	Yes	No	No	Yes	WPB83N	Yes	No	No	Yes
TQHTNT	Yes	No	No	Yes					

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
WQ83Q6	Yes	No	No	Yes					
WTQEQM	Yes	No	No	Yes					
WX3CA4	Yes	No	No	Yes					
XJDR8L	Yes	No	No	Yes					
XJGADW	Yes	No	No	Yes					
XL8Q9Q	Yes	No	No	Yes					
XQKCFC	Yes	No	No	Yes					
XRC867	Yes	No	No	Yes					
XRW4BE	Yes	No	No	Yes					
XUCPRZ	Yes	No	No	Yes					
Y9TVMY	Yes	No	No	Yes					
YCH3C3	Yes	No	No	Yes					
YCXLWZ	Yes	No	No	Yes					
YHL2PD	Yes	No	No	Yes					
YJHLCD	Yes	No	No	Yes					
YL2M7Y	Yes	No	No	Yes					
YTHCVY	Yes	No	No	Yes					
YY2LUV	Yes	No	No	Yes					
YY8PWM	Yes	No	No	Yes					
Z8GD9Z	Yes	No	No	Yes					
Z9DXVZ	Yes	No	No	Yes					
ZGQT3F	Yes	No	No	Yes					
ZL3TBZ	Yes	No	No	Yes					
ZLXDYY	Yes	No	No	Yes					
ZP248Z	Yes	No	No	Yes					
ZPXPUY	Yes	No	No	Yes					
ZRL62L	Yes	No	No	Yes					

DNA Interpretation

| **Response Summary** | | | **Participants reporting DNA results: 349** | |

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

	Victim (Item 1)		Suspect (Item 2)	
	Item 3	Item 4	Item 3	Item 4
Yes	**305**	**0**	**0**	**318**
No	**0**	**305**	**318**	**0**
Inc	**0**	**0**	**0**	**0**
No Interpretation	**34**	**34**	**21**	**21**
No Response	**2**	**2**	**2**	**2**

Participants analyzing DNA for database purposes only: 8

Additional Comments

TABLE 6

WebCode	Additional Comments
2KGG7Z	NR = no results
2LU9YG	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.
2TVKWY	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
3KZV2F	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from item 3(e). 16.2 peak at D3 was a calculated rare allele, genotype designated as 16.2. The results listed in the CTS report reflect DNA profiles with stutter filters on.
3NCWML	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians
3UJGWC	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain(s) (an) elevated stutter peak(s) which is/are being reported to the vendor as an additional comment but which has/have been modeled as stutter probabilistically during interpretation at the following locus/loci: Question Item 3, 17.2 at D19S433. Differential extractions were not performed. Therefore complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
47C9WM	NT = Not tested. Note: STRmix analysis not performed on 3e. For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation. NR = No results.
4TNBZJ	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.
62EXNU	The following exhibit was inconclusive for the presence of acid phosphatase due to difficulty in accurately detecting a color change as a result of the substrate color: 4.
62TJXV	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
6E6UN7	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.

TABLE 6

WebCode	Additional Comments
6MTR4E	# indicates associated fraction peak(s) subtracted
6QR7R4	For items interpreted with STRmix, reported alleles represent all alleles imported for STRmix interpretation. N/A = Not applicable. NR = No typing result. NT = Not Tested.
6TLP43	Only samples with detected Male DNA moved forward for DNA Testing
6WK4P8	Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain elevated stutter peaks which are being reported to the vendor as an additional comment but which have been modeled as stutter probabilistically during interpretation at the following loci: Exhibit 2, locus D16S539, allele 13; Exhibit 3, locus SE33, allele 22. Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
7FQ6PJ	For item 3: the stain tested AP negative, PSA detected, and sperm observed. Per our Technical Procedures the results for these combined tests is semen detected. For item 3_SP-> the 22 allele at SE33 is consistent with N+4 stutter from the 21 allele (3.6%) -. no other indications of a second contributor. Allele left in as STRmix requires stutter peaks for evidence samples to be left in. NR = No results
7HJN2J	Per policy, this proficiency test covers Yfiler Plus testing. All samples were extracted according to protocol. Only samples with a positive quantitation value for male DNA went forward with amplification. A qualified Forensic Biologist performed all screening tests. The DNA analyst reviewed and interpreted the male screen results.
7TBKTJ	This individual is only authorized to perform Y-screening.
7TXVRR	Reporting with stutter filters on
7X7B2F	NR - No Results
7ZG3KH	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.
83ZLWY	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework. NR=no results
86RHLT	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.

TABLE 6

WebCode	Additional Comments
88BJGF	NR=no results
8F7ENC	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.
8TVEHZ	NR= No results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results." Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction (Fraction 1) resulting in a mixture. This is a normal observation routinely occurring in casework.
97UYV9	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.
9D9UPH	Items 3 sp and 4 were the only items interpreted with STRmix. For items interpreted with STRmix, reported alleles represent all data imported for STRmix interpretation. NR = no result
9QGDNC	NR=no results
9RWW8A	NR = No results
9VHD93	Modified Rapid DNA analysis conducted on Item 1 and 2. (RapidHit) Items 3 and 4 not processed, no DNA interpretation conducted
AG8LGE	Per policy, this proficiency test covers Yfiler Plus testing. All samples were extracted according to protocol. Only samples with a positive quantitation value for male DNA went forward with amplification.
AMGNJA	NR - indicates no result per SOP. # - indicates subtraction performed per SOP. ^ - indicates allele below stochastic threshold per SOP.
ARRQQZ	The '18' allele reported at D3S1358 for Item '3sp' is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
AVR2KE	KM testing performed by qualified forensic biologist. #1 extracted and halted after quant (no male DNA). Per policy, this proficiency test covers Yfiler Plus testing. All samples were extracted according to protocol. Only samples with a positive quantitation value for male DNA went forward with amplification.
AWQ4EP	A test for the presence of acid phosphatase was inconclusive on exhibit 3 due to an unexpected color change.
AZ24MA	#-as per lab policy, alleles subtracted from locus.

TABLE 6

WebCode	Additional Comments
B3AP22	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.
B9UV99	NR = No Result. ^ = indicates peak below stochastic threshold. # = indicates known profile peak subtracted.
BE2FHY	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used to calculate the following propositions: Item 3 - Fraction 1: Interpretation - 1sU_1sU, Stat - 1sU_UU. Item 3 - Fraction 2: Items 1 and 2 were excluded, no stat was generated. Item 4: Interpretation - 2s_U, Stat - 2s_U. Per FBU policy, STRmix would not be run on casework on item 3, as the item is from the victim (1s). Stat run for PT purposes only. Modified Rapid DNA Analysis was conducted on Item 2. NID = No Interpretable Data
BNCH3Z	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used to calculate the following propositions: Item 3 (fraction 1): 1sU_UU; Item 4: 2s_U. Per FBU policy, STRmix would not be run in casework for Item 3 (fraction 1) as this item was the victim's (1s). Statistic run for PT purposes only. Items 1 and 2 were excluded from Item 3 fraction 2; no statistic was generated. NID= No Interpretable Data. PowerPlex Y23 was run on Item 2, Item 3 fraction 1, Item 3 fraction 2, and Item 4 for sample processing only.
C3KT7D	Competent FB analyst performed serology results. Per policy, this proficiency test covers Yfiler Plus testing. All samples were extracted according to protocol. Only samples with a positive quantitation value for male DNA went forward with amplification.
CZR9UD	NR = No Results
CZY7DQ	[Name] performed TR on Bio. [Name] performed interpretation. [Name] performed TR on DNA.
D23BFC	NR = no result. Item 3 SP comments N + 4 stutter peaks observed at D3S1358 (17.2 allele), D18S51 (21 allele), and SE33 (26.2 allele).
DAEHZM	NR - No results
DHXJLQ	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the male. No alleles are present that cannot be attributed to either the victim or the male donor from the sperm fraction.
DNJQVJ	Data analyzed with stutter filters ON
DYHALQ	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the semen donor. No alleles are present that cannot be attributed to either the victim or the semen donor from the sperm fraction.
E7Z3AV	The 16 allele reported at vWA and the 15.2 allele reported at D19S433 for Item 3e are defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. The 13 allele reported at D16S539 for Item 4 is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile. These peaks were further evaluated as stutter probabilistically using STRmix to support this interpretation.
EDBBPB	This analyst is only authorized to perform Y-screening (male DNA).
EKWGAP	No interpretation performed on any items as it is outside the participant's current qualifications and job duties.
ERHZ36	The probabilistic genotyping software STRmix v2.7.0 was used to resolve the mixed DNA profile from Item 3 (epithelial fraction). The results listed in this CTS report reflect DNA profiles with stutter filters on.

TABLE 6

WebCode	Additional Comments
ET46ZG	For items interpreted with STRmix, the Globalfiler STR results include all possible alleles for all interpreted genotypes. This may incorporate stutter peaks that would have been filtered during conventional analysis.
EYBMGH	For item 3, probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profile generated. The results listed in the CTS report reflect DNA profile with stutter filters on.
FE9UEJ	The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples. Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
FFKTAR	NR=No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore, this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fractions; however, there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
GEGPV8	Serology testing was performed and interpreted by a forensic biologist. For item #4, there was AP testing done on the item, the results of which were inconclusive. Male screen testing was performed by a forensic biologist but was interpreted by the owner of this proficiency test. NT = Not tested
GJQTX3	NR = No results. ^ - indicates peak below stochastic threshold as per [Laboratory] policy. # - indicates that the associated known donor or corresponding profile was subtracted per [Laboratory] policy.
H8Z8L7	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.
HBL6UW	The results listed in the CTS report reflect DNA profiles with stutter filters on. Item 3 epithelial fraction: The mixed DNA profile obtained using Identifiler Plus was resolved using STRmix 2.7.0 with conditioning on the victim reference sample. The remaining male contribution resolved was consistent with that obtained from the sperm fraction. item 3 Sperm fraction. A single low level allele (D3, 18) was present in an otherwise unmixed DNA profile from an unknown male using Identifiler Plus which did not correspond to item 2. The minor allele was in a stutter position could be elevated stutter and was removed. Item 4: a likelihood ratio was calculated for the DNA evidence (suspect could be a contributor) using STRmix 2.7.0. A stratified, unified LR of 8 hundred thousand million was obtained. An elevated stutter peak allele 23 at D2S1338 was removed. Note alleles at the locus CSF1PO showed pronounced imbalance of 47%.
HG2WUV	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
HMVUL8	I was provided with two fabric pieces (with stains) within item #4. I tested each fabric square staining and collected them separately (two samples total). The DNA results were concordant for both fabric squares and was reported as appropriate (as item 4).

TABLE 6

WebCode	Additional Comments
HPV6FL	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.
HR9ETT	Items 2, 3, and 4 were run for Y23 analysis. Item 1 (female standard) was not processed.
J2B39W	The probabilistic genotyping software STRmix was used to resolve the mixed DNA profile obtained from Item 3e. The results listed in the CTS report reflect DNA profiles with stutter filters on. The MiniFiler results obtained from items 3 and 4 were consistent with the Identifiler Plus results obtained from each sample.
J68Z9M	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. NR = No results. Full profiles were obtained for the epithelial and sperm fractions, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
JN472M	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. "Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework. NR - no results.
JNJPLK	The non-sperm fraction of item 3 is a mixture. This could be due to incomplete separation during the differential extraction or a non-sperm source of DNA from the donor of the sperm fraction. No alleles are present that cannot be attributed to the victim or the donor of the sperm fraction.
JRJTFT	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.
KKCQLC	For items 3 e and 3 sp, 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.
KQJBU3	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.
KYCEU6	NR = No Results, NT = Not Tested. Item 3e (non-sperm fraction): One additional low-level allele was detected (15 @D3S1358). This allele is most likely double back stutter (N-8), drop-in or an artifact. There were no other indications of a third contributor; therefore, this allele was not included in the report. Item 3sp (sperm fraction): Two additional alleles were detected (21 @D18S51 and 22 @SE33). These alleles are most likely elevated forward stutter (N+4) and were not included in the report.

TABLE 6

WebCode	Additional Comments
KZUDF4	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.
LKCZ8G	Extraction: Item 1 and Item 2 extracted using in-situ method. Item 3 and Item 4 extracted using DNA Investigator Kit via QIAsymphony SP. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFlSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3 and Item 4 and Y-Filer for Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout the analysis and all gave the intended results. NM: non-male profile.
LLMT8B	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.
LYDKY7	[Initials] attempted to move the "differential selection" checkbox for Item 4 from "yes" to "no." When this was done, the data entry was cleared and [Initials] was unable to upload existing data to Item 4. At the time of data submission there appeared to be a "4e" and "4sp" when in fact there should be just a single entry line for Item 4. Per [Initials], this note was entered to acknowledge that a Differential was not performed on Item 4.
M3PYR6	NR = No DNA types detected at this locus
M4ZUJN	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain(s) (an) elevated stutter peak(s) which is/are being reported to the vendor as an additional comment but which has/have been modeled as stutter probabilistically during interpretation at the following locus/loci: Item 3, D3S1358, 20
MCXJ3D	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
MMF2VK	Serology results performed by competent examiner - tested analyst did not do serology- not reported. Y-STR only - STR previously done in first half of year. Item 1 not processed - no male DNA detected at quant.
MWHGKP	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.
MXD28P	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.

TABLE 6

WebCode	Additional Comments
NKMGJL	For items interpretated with STRmix, reported alleles represent all alleles imported for STRmix interpretation. NR = no result. NT = not tested.
NMRABY	NR = No Results
NTZJQ8	When performing testing for semenogelin using the RSID Semen cards for Item 1-4 and the extraction negative, the extraction negative developed a line in the Test region, and the card was interpreted as positive. Therefore, the associated card for item 1-4 was deemed inconclusive.
NZDLM9	reporting results with stutter filters on
PBW7TQ	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
PRLGET	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.
Q4CJLR	NR = no result
Q64L2F	NR=No Results. This laboratory does not generate an allele table for the evidence sample results. Therefore, this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
Q94WXF	NR denotes no results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework.
QE9N9Y	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.
QQJ7YF	This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results. Full profiles were obtained for the epithelial and sperm fraction, however there was an incomplete separation of donors in the epithelial fraction resulting in a mixture. This is a normal observation routinely occurring in casework. NR = no results

TABLE 6

WebCode	Additional Comments
QR2X8Z	Item 001-03-A e fraction had an elevated 15.2 allele stutter peak at D19S433 that I included in the CTS paperwork. All the alleles for this locus include: 11, 13, 15, 15.2 (elevated stutter), and 16.2.
QVV4HW	NR = No results
R4NNAF	NR = No results. Male Screen analysis performed by this analyst.
R4QA7W	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.
R62DB8	The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples. Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test.
R7ADLF	Reporting only biological screening and typing of references. Individual reporting according to authorized testing - no DNA testing of items 3 and 4 conducted and no interpretation performed.
RCYWMB	Extraction: Item 1 and Item 2 extracted using in-situ method. Item 3 and Item 4 extracted using DNA Investigator Kit via QIAsymphony SP. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA Quantification Kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Y-STR amplification was carried out on Item 2, Item 3 and Item 4 using AmFlSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis of GlobalFiler for Item 1, Item 2, Item 3 and Item 4 and Y-Filer for Item 2, Item 3 and Item 4 were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout the analysis and all gave the intended results. NM: non-male profile.
RM4XBG	NR = No results
RNQLMG	Item 3 - there is blood and semen, there isn't saliva. Mixture from this stain incudes victim's DNA and doesn't include suspect's DNA. There is male DNA of unknown man. Item 4 - there is a blood. There is no saliva, no semen. Therre is suspect's DNA. There isn't victims' DNA.
RWQW2L	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
T8LPMH	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain an elevated stutter peak which is being reported to the vendor as an additional comment, but which has been modeled as stutter probabilistically during interpretation at the following locus: Item 2, locus SE33 (allele 21).

TABLE 6

WebCode	Additional Comments
TAMHTA	Extraction: - Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIAsymphony DNA Investigator Kit via QIAsymphony SP. Quantification: - Item 3 and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR System. Amplification: - Item 1 and Item 2 were amplified using GlobalFiler Express Amplification kit on Proflex PCR system. Item 3 and Item 4 were amplified using GlobalFiler Amplification kit on GeneAmp 9700 system. Item 2, Item 3 and Item 4 were amplified using Y-Filer Kit on GeneAmp 9700 system. Electrophoresis: - All amplified products were run on Genetic Analyzer 3500XL. Quality Control: - All reagent blank, positive control and negative control, were carried out throughout the analysis and all gave intended results. Remarks: - NM : Non-male profile.
TJXWL4	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.
TK68H8	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples."
TNP9CT	NR = No Results
TPLF78	The Biology portion was completed by [Name] and the DNA portion was completed by [Name].
TUG7CH	proficiency for Y-STRs only. no interpretation for item 1-female victim.
TY63P8	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and Item 4 were extracted using QIASymphony extraction method. Quantification: Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification Kit on ABI QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Yfiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1 and Item 2 (GlobalFiler Express Kit), Item 3 and Item 4 (GlobalFiler Kit). Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM: Non male profile
VDXKFH	Differential extractions were not performed. Therefore, complete lysis of the sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component.
VECVAF	In the Item 3 human blood and semen was detected and a mixture of DNA from at least two people was isolated. After analyzing the obtained results, it was found that this mixture contains the DNA of the victim and one unknown man. The suspect's DNA was not found in the mixture. In the Item 4 human blood was detected and DNA only from the suspect was isolated.
W4ATR4	Presumptive testing detected the possible presence of blood on Items 3 and 4. Spermatozoa were observed on Sample 3, which confirms the presence of semen. Semen was not detected on Sample 4.
WCKA3B	YFiler Plus only performed on samples with male DNA.

TABLE 6

WebCode	Additional Comments
WCMVYQ	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.
WLQ2KR	Analyst only authorized to perform Y-screening and microscopic examination for sperm.
WUYR74	Presumptive testing detected the possible presence of blood on Items 3 and 4. Spermatazoa were observed on Item 3, which confirms the presence of semen. Semen was not detected on Item 4.
XJDR8L	NR = no results
XRC867	As reported in Part I: Screening Tests, Item 4 screened negative for semen using AP, PSA, and Micro. Per case file documentation, the [Laboratory] deliberately performed a differential extraction in order to have the opportunity to perform a secondary micro. Following quantitation interpretation, the sperm fraction of Item 4 was subsequently dropped at quant and therefore a DNA profile was not generated. Though unconventional, the performance of a differential extraction does not violate procedures and is thoroughly documented in the case file. The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
YCH3C3	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
YHL2PD	NR is short for "No Results."
YJHLCD	Differential extractions were not performed. Therefore complete lysis of sperm cells for male contributors may not occur. This could result in a partial profile for a minor male component. Stutter filters are established by the laboratory based on validation data and used to filter stutter during examiner analysis. Additionally, the laboratory utilizes a probabilistic genotyping software for data interpretation which models stutter during its probabilistic analysis of the data. Elevated stutter peaks which are above the stutter filters established by the laboratory during the validation may still occur but are handled probabilistically during interpretation by the software. The results for this test contain elevated stutter peaks which are being reported to the vendor as an additional comment but which have been modeled as stutter probabilistically during interpretation at the following loci: Item 3: Stain from victim's underwear, Locus D3S1358, Allele 17.2 and Locus D8S1179, Allele 11.
YTHCVY	The following exhibit was inconclusive for the presence of acid phosphatase due to difficulty in accurately detecting a color change as a result of the substrate color: 4.
Z8GD9Z	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.

TABLE 6

WebCode	Additional Comments
ZL3TBZ	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
ZP248Z	Analysis of sexual assaults is not within the scope of the laboratory services. Therefore, no sexual assault screening tests or differential extractions were performed in the completion of this proficiency test. The laboratory does not provide an allele table in the report, therefore, this procedure is used only for reporting the results of proficiency tests. Probabilistic genotyping software was used to aid in the interpretation and statistical analysis of the DNA profiles generated. The results listed in the CTS report for the evidence samples reflect the possible alleles present that were given a weight of at least 99% of being a true allele. Therefore, some expected alleles may not be listed, particularly those that are in the stutter position. Genotypes are listed for reference samples, and 99% weighted alleles present are listed for evidence samples.
ZRL62L	NR = No Results

-End of Report-
(Appendix may follow)

Test No. 23-5706: Forensic Biology

DATA MUST BE SUBMITTED BY **Dec. 18, 2023, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A   WebCode: HP33YX

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

Scenario:

Police are investigating a sexual assault involving a female victim and male suspect. The victim reported that the suspect was at her house when he forced her to have sex on the couch. The suspect has denied ever being at the victim's house. Police are submitting a stain from the underwear the victim was wearing during the assault (Item 3) and a stain from the victim's couch (Item 4). Also provided are known standards from the female victim (Item 1) and male suspect (Item 2).

Items Submitted (Sample Pack B6):

Item 1: Known blood from the female victim
Item 2: Known blood from the male suspect
Item 3: Questioned stain from victim's underwear (pink)
Item 4: Questioned stain from victim's couch (blue)

Part I: SCREENING TESTS

Note: Laboratories submitting their results for ASCLD/LAB or NATA accreditation MUST identify any screening tests performed and report the test results.
Indicate the results of any screening tests performed on the questioned stains (Items 3 & 4).

Please use the abbreviations listed in this response key to fill in the Screening Test tables on this tab. This is not an all inclusive list of tests, and should not be used to determine what tests should be performed.
TESTS NOT ON THIS LIST MAY BE USED FOR SCREENING.

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

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

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

Item 3:

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

Item 4:

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

Part II: DNA Results for Known Item 1

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

<u>STR Amplification Kit(s) Used:</u>   Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in **Default** *order.*

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

Part II (continued): DNA Results for Known Item 2

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

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

☐ Identifiler®　　　　　　　　　☐ GlobalFiler™　　　　　　　☐ Investigator® 24plex

☐ PowerPlex®　　　　　　　　　　Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in **Default** *order.*

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
2						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
2						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
2						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
2						

YSTR Amplification Kit(s) Used: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™　　　　　　　　　　☐ PowerPlex® Y　　　　　　　　Other

Alleles below are sorted in **Default** *order.*

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
2									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
2									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
2									

Part II (continued): DNA Results for Questioned Item 3

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

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

☐ Identifiler®   ☐ GlobalFiler™   ☐ Investigator® 24plex

☐ PowerPlex®   Other

Report the Probabilistic Genotyping Software Used (if applicable):

Did you perform a differential extraction of Item 3? YES ◯ NO ◯

Alleles below are sorted in **Default** *order.*

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3						
3 e						
3 sp						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
3						
3 e						
3 sp						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
3						
3 e						
3 sp						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
3						
3 e						
3 sp						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
3						
3 e						
3 sp						

YSTR Amplification Kit(s) Used: Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™   ☐ PowerPlex® Y   Other

Did you perform a differential extraction of Item 3? YES ◯ NO ◯

Alleles below are sorted in **Default** *order.*

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
3									
3 e									
3 sp									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
3									
3 e									
3 sp									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
3									
3 e									
3 sp									

Part II (continued): DNA Results for Questioned Item 4

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

<u>STR Amplification Kit(s) Used:</u> Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. 16, Plus, Direct, HS, Fusion, etc.).

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

Did you perform a differential extraction of Item 4?   YES ○   NO ○

Alleles below are sorted in **Default** *order.*

ITEM	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4						
4 e						
4 sp						
ITEM	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
4						
4 e						
4 sp						
ITEM	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
4						
4 e						
4 sp						
ITEM	FGA	Penta D	Penta E	SE33	TH01	TPOX
4						
4 e						
4 sp						
ITEM	vWA	DYS391	DYS570	DYS576	Y Indel	
4						
4 e						
4 sp						

<u>YSTR Amplification Kit(s) Used:</u> Please check all the brands that apply for this item and record only additional kit specific information in the blank provided (i.e. Plus, 23, etc.).

☐ YFiler™ ☐ PowerPlex® Y Other

Did you perform a differential extraction of Item 4?   YES ○   NO ○

Alleles below are sorted in **Default** *order.*

ITEM	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4									
4 e									
4 sp									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
4									
4 e									
4 sp									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
4									
4 e									
4 sp									

Part II (continued): DNA Analysis - Additional DNA

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

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

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

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

Part III: DNA INTERPRETATION

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

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

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

Part IV: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ASCLD/LAB, ANAB, and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

○ This participant's data is intended for submission to ASCLD/LAB, ANAB, and/or A2LA. (Accreditation Release section below must be completed.)

○ This participant's data is **not** intended for submission to ASCLD/LAB, ANAB, and/or A2LA.

Have the laboratory's designated individual complete the following steps
only if your laboratory is accredited in this testing/calibration discipline
by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory

ANAB Certificate No.
(Include ASCLD/LAB Certificate here)

A2LA Certificate No.

Step 2: Complete the Laboratory Identifying Information in its entirety

Authorized Contact Person and Title

Laboratory Name

Location (City/State)