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FORENSIC TESTING PROGRAM

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Forensic Biology Test No. 22-5706
Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were requested to analyze using their existing protocols. Data were returned from 335 participants and are compiled into the following tables:

Manufacturer's Information

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

SAMPLE PREPARATION: The stains on Items 1, 2, 3 and 4 were prepared using human whole blood which was either drawn into citric acid preservative bags or EDTA tubes. Item 1 (50 μl) was created using blood from a female donor. Item 2 (50 μl) and Item 4 (50 μl) were created using blood from the same male donor. Item 3 (50 μl) was created using blood from the female donor used in Item 1 and blood from another female 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 17, 2022 following completion of the verification stage.

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

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

Manufacturer's Information, continued

Amelogenin and STR Results

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

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	D10S1248	D12S391	D13S317	D16S539
	D18S51	D19S433	D21S11	D22S1045	Amelogenin	CSF1PO
	FGA	Penta D	Penta E	SE33	TH01	TPOX
	vWA	DYS391	DYS570	DYS576	Y Indel	
1	15.3,16	20,25	13,14	17,17	12,12	*
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17	NM	NM	NM	NM	
2	12,17.3	17,23	11,15	14,15	11,13	*
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19	2	
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	*
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NM	NM	NM	NM	
4	12,17.3	17,23	11,15	14,15	11,13	*
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19	2	

YSTR Results

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

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14	11	17	19	20	23	11	11
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14	11	17	19	20	23	11	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 22-5706 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 blood from the female donor used in Item 1 and blood from another female donor whose known standard was not provided. (See Manufacturer's Information for preparation details)

Data were returned by 335 participants.

Screening Test Results:

Screening results for body fluids (blood, semen, saliva) were returned by a total of 304 participants. However, not all of these participants returned screening results for all fluids for both questioned items.

For Item 3, all participants reported "Positive" for the presence of blood. For the presence of semen, all participants reported "Negative." For the presence of saliva, all but three participants reported "Negative." The three remaining participants reported "Inconclusive." For Human Origin screening, all responding participants reported "Positive." For Y-Screening, all but one participant reported "Negative." The remaining participant reported "Positive."

For Item 4, all responding participants reported "Positive" for the presence of blood. For the presence of semen, all responding participants reported "Negative." For the presence of saliva, all but two participants reported "Negative." The two remaining participants reported "Inconclusive." For Human Origin screening, all responding participants reported "Positive." For Y-Screening, all participants reported "Positive."

DNA Analysis Results:

A total of 315 participants reported DNA results. One participant did not respond, four selected the "No Interpretations" option individually for all interpretation questions, and eight participants stated that the samples were analyzed for database purposes only.

For the Item 3 stain, the interpretation breakdown is as follows: all but two participants included the victim (Item 1) as a possible contributor. These two participants excluded the victim as a possible contributor. Concerning the comparison of the suspect (Item 2) to the Item 3 stain, all but one participant excluded the suspect as a possible contributor. The remaining participant included the suspect as a possible contributor.

For the Item 4 stain, the interpretation breakdown is as follows: all but one participant excluded the victim (Item 1) as a possible contributor. The remaining participant included the victim as a possible contributor. Concerning the comparison of the suspect (Item 2) to the Item 4 stain, all but one participant included the suspect (Item 2) as a possible contributor. The remaining participant excluded the suspect as a possible contributor.

A total of 171 participants reported the use of Probabilistic Genotyping (PG) software on either solely the questioned items or all four items. The majority of participants reporting the use of PG software stated in their additional comments that stutter peaks may be included in the DNA results. Based on the interpretations described above, these inconsistencies did not appear to affect participants' conclusions.

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
236F9B	Pos KM	Pos KM
24ZGAD	Pos KM	Pos KM
2CENCQ	Pos O-tol	Pos O-tol
2DR4UY	Pos KM	Pos KM
2E6XCJ	Pos KM and HemaTrace	Pos KM and HemaTrace
2H4JBU	Pos KM, HemaTrace	Pos KM, HemaTrace
2NAETA	Pos LMG	Pos LMG
2Q2D9T	Pos KM, HemaTrace	Pos KM, HemaTrace
2VDR6T	Pos KM, HemDirect	Pos KM, HemDirect
2XZKKU	Pos KM, HemaTrace	Pos KM, HemaTrace
2Z6VXX	Pos KM	Pos KM
32BRPF	Pos KM	Pos KM
32GH2B	Pos KM & HemaTrace	Pos KM & HemaTrace
33MALB	Pos KM, Takayama	Pos KM, Takayama
33RKLN	Pos Phenolphthalein	Pos Phenolphthalein
3734MW	Pos KM	Pos KM
37K8Y4	Pos KM, HemaTrace	Pos KM, HemaTrace
3AREQW	Pos KM	Pos KM
3D69EG	Pos KM	Pos KM
3DLKWL	Pos KM	Pos KM
3JC9VJ	Pos KM	Pos KM
3KT89G	Pos KM	Pos KM
3N47XA	Pos KM, HemaTrace	Pos KM
3PY4TG	Pos KM	Pos KM
3QHEL3	Pos KM	Pos KM
3TMBGJ	Pos TMB	Pos TMB
3URNHD	Pos ptn, HemaTrace	Pos ptn, HemaTrace
439V29	Pos KM, Combur (TMB)	Pos KM, Combur (TMB)
4DZBGP	Pos LMG, HemaTrace	Pos LMG, HemaTrace
4GLY9H	Pos KM, HEM	Pos KM, HEM
4NJPKR	Pos LMG, HemaTrace	Pos LMG, HemaTrace
4PDD3N	Pos KM	Pos KM
4PPCVC	Pos Hemastix	Pos Hemastix

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		Item 4	
4PWQNK	Pos	KM, HemDirect	Pos	KM, HemDirect
4RFBCV	Pos	KM	Pos	KM
4V3A6X	Pos	KM	Pos	KM
624GQE	Pos	O-tol	Pos	O-tol
63WFXK	Pos	HemaTrace	Pos	HemaTrace
6AKGJB	Pos	KM	Pos	KM
6BAC27	Pos	KM	Pos	KM
6BPTVY	Pos	HemaTrace	Pos	HemaTrace
6DGNKT	Pos	LMG	Pos	LMG
6FNHHJ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
6GYVDM	Pos	KM	Pos	KM
6NGVFX	Pos	LMG	Pos	LMG
6Q8ELK	Pos	PTMB	Pos	PTMB
6U66L6	Pos	KM, LMG, HemaTrace	Pos	KM, LMG, HemaTrace
6UL93H	Pos	KM	Pos	KM
6V6CCH	Pos	KM	Pos	KM
7BMYQ6	Pos	LMG	Pos	LMG
7CG9JF	Pos	O-tol, Seratec PMB	Pos	O-tol, Seratec PMB
7DXJ2Z	Pos	LMG	Pos	LMG
7FEKMT	Pos	KM, HemaTrace	Pos	KM, HemaTrace
7G8HVZ	Pos	KM	Pos	KM
7KEKCQ	Pos	KM, HEM	Pos	KM, HEM
7L6FLW	Pos	LMG	Pos	LMG
7Q3YLA	Pos	KM	Pos	KM
7WVWJD	Pos	KM	Pos	KM
82J7ZP	Pos	KM	Pos	KM
84QQ2R	Pos	KM	Pos	KM
86JE7K	Pos	KM, HemaTrace	Pos	KM, HemaTrace
89EMDV	Pos	KM, HemaTrace	Pos	KM, HemaTrace
8AD4V6	Pos	KM, Combur (TMB)	Pos	KM, Combur (TMB)
8APA83	Pos	KM	Pos	KM
8CAEJ8	Pos	HemaTrace	Pos	HemaTrace
8GEV9N	Pos	KM, HemDirect	Pos	KM, HemDirect
8GVGRJ	Pos	KM	Pos	KM
8KRTHV	Pos	KM	Pos	KM

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		**Item 4**	
8L3RKR	Pos	KM, HemDirect	Pos	KM, HemDirect
8MVPQD	Pos	KM, HX	Pos	KM, HX
8QH6DR	Pos	KM	Pos	KM
8QVNAH	Pos	O-tol, HTR	Pos	O-tol
8TN3T8	Pos	O-tol, HemDirect, red-brown	Pos	O-tol, HemDirect, red-brown
8UHQC3	Pos	LMG	Pos	LMG
8UM447	Pos	KM, Combur (TMB)	Pos	KM, Combur (TMB)
8UV3T2	Pos	KM	Pos	KM
8VRYEV	Pos	LMG	Pos	LMG
9CUXZ4	Pos	O-tol, PPTH, HD	Pos	O-tol, PPTH, HD
9CY92G	Pos	KM	Pos	KM
9E2J7C	Pos	KM, HemaTrace	Pos	KM, HemaTrace
9V3JMQ	Pos	KM	Pos	KM
9V4AXF	Pos	KM	Pos	KM
9XDGZ9	Pos	HemaTrace	Pos	HemaTrace
9XX9ZK	Pos	KM, HemaTrace	Pos	KM, HemaTrace
A4RPVH	Pos	KM	Pos	KM
A7WCDT	Pos	KM	Pos	KM
AEGPW8	Pos	KM	Pos	KM
AFP4Y8	Pos	KM, HemaTrace	Pos	KM, HemaTrace
AG2649	Pos	HemaTrace	Pos	HemaTrace
AGFVND	Pos	O-tol, Seratec PMB	Pos	O-tol, Seratec PMB
AHAJ89	Pos	KM	Pos	KM
AJ8KG7	Pos	PHTH, KM	Pos	PHTH, HT
AM4CJC	Pos	KM, HemaTrace	Pos	KM, HemaTrace
AX2JX9	Pos	Hemastix	Pos	Hemastix
AZWXP8	Pos	KM	Pos	KM
B4AEWV	Pos	KM	Pos	KM
B9ZAGU	Pos	O-tol	Pos	O-tol
BEBHNQ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
BFZUG6	Pos	Hemastix	Pos	Hemastix
BPQCXY	Pos	KM	Pos	KM
BUP8W7	Pos	KM	Pos	KM
C249X2	Pos	KM, RSID	Pos	O-tol, HemaTrace
C3EFWM	Pos	KM	Pos	KM

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		**Item 4**	
C8ACZF	**Pos**	KM	**Pos**	KM
CFJ2DE	**Pos**	KM, Seratec HemDirect	**Pos**	KM, Seratec HemDirect
CFML6N	**Pos**	KM	**Pos**	KM
CMFRPN	**Pos**	FOB, Hemophan	**Pos**	FOB, Hemophan
CPMANK	**Pos**	LMG, HemaTrace	**Pos**	LMG, HemaTrace
CVEVUR	**Pos**	LMG	**Pos**	LMG
CX7UBB	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
D43MKC	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
D43P9V	**Pos**	HemaTrace	**Pos**	HemaTrace
D7AAR4	**Pos**	KM	**Pos**	KM
D9UWQ4	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
DANKAY	**Pos**	KM	**Pos**	KM
DE7UPC	**Pos**	TMB	**Pos**	TMB
DGVQ6B	**Pos**	KM	**Pos**	KM
DJGCVC	**Pos**	KM	**Pos**	KM
DKAPGY	**Pos**	KM	**Pos**	KM
DKUC4M	**Pos**	KM	**Pos**	KM
DLQPQF	**Pos**	KM, Hem	**Pos**	KM, Hem
DMWB8Z	**Pos**	O-tol	**Pos**	O-tol
DNBB62	**Pos**	O-tol, HD	**Pos**	O-tol, HD
DW4JUY	**Pos**	KM, RSID	**Pos**	O-tol, HemaTrace
DYTFCK	**Pos**	hemastix, HemaTrace	**Pos**	hemastix, HemaTrace
DZRRJ2	**Pos**	Combur (TMB), KM	**Pos**	Combur (TMB), KM
DZZPC6	**Pos**	HemaTrace	**Pos**	HemaTrace
E4C2J6	**Pos**	KM, TMB	**Pos**	KM, TMB
E9PX8F	**Pos**	KM	**Pos**	KM
EF93ZF	**Pos**	LMG	**Pos**	LMG
EK9VAJ	**Pos**	KM	**Pos**	KM
EN2F3Z	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
EN34LZ	**Pos**	KM	**Pos**	KM
ETJWVJ	**Pos**	KM	**Pos**	KM
EUXGH3	**Pos**	KM, HemaTrace	**Pos**	KM, HemaTrace
F2BPMB	**Pos**	KM	**Pos**	KM
F6BXPY	**Pos**	KM, RSID	**Pos**	O-tol, HemaTrace
F6WE63	**Pos**	KM	**Pos**	KM

TABLE 1a

WebCode	Blood Screening Results		
	Item 3		Item 4
F73YT3	**Pos** KM		**Pos** KM
F9RLAR	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
FBFAWD	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
FCLQW4	**Pos** Hemastix		**Pos** Hemastix
FMMBYW	**Pos** KM		**Pos** KM
FPQ994	**Pos** KM, TMB		**Pos** KM, TMB
FR9YWF	**Pos** KM		**Pos** KM
FVLTKZ	**Pos** LMG		**Pos** LMG
G32CCJ	**Pos** KM		**Pos** KM
G3GZT8	**Pos** KM; HemaTrace		**Pos** KM; HemaTrace
G3VM7F	**Pos** LMG		**Pos** LMG
G6R4GG	**Pos** LMG, HemaTrace		**Pos** LMG, HemaTrace
GBB9DX	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
GCN9F6	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
GEURH8	**Pos** KM, HemDirect		**Pos** KM, HemDirect
GFKEXB	**Pos** O-tol		**Pos** O-tol
GJL2NY	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
GPD4W7	**Pos** KM		**Pos** KM
GT7X88	**Pos** KM, HemaTrace, ALS		**Pos** KM, HemaTrace, ALS
GTBUWP	**Pos** KM		**Pos** KM
GZ4MQW	**Pos** O-tol		**Pos** O-tol
H3UMMC	**Pos** KM and HemaTrace		**Pos** KM and HemaTrace
H8PXJQ	**Pos** HemaTrace		**Pos** HemaTrace
HCEFX3	**Pos** HemaTrace, KM		**Pos** HemaTrace, KM
HDWQAV	**Pos** LMG		**Pos** LMG
HQ4TD4	**Pos** KM		**Pos** KM
HRWAKE	**Pos** LMG, HemaTrace		**Pos** LMG, HemaTrace
HVA49X	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
HXH2ZU	**Pos** KM		**Pos** KM
J9FJPM	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
J9Y6MJ	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace
JDUBGU	**Pos** KM, RSID		**Pos** O-tol, HemaTrace
JE6WTW	**Pos** LMG		**Pos** LMG
JQFFDC	**Pos** KM		**Pos** KM
JQJZ6L	**Pos** KM, HemaTrace		**Pos** KM, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	Item 4
JWAM8Z	**Pos** KM	**Pos** KM
JY9JEZ	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
K36W94	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
KA48PU	**Pos** LMG	**Pos** LMG
KJAWMY	**Pos** KM	**Pos** KM
KJQBQ3	**Pos** KM / TMB	**Pos** KM / TMB
KKPEMX	**Pos** O-tol	**Pos** O-tol
KLXHAU	**Pos** RSID	**Pos** RSID
KN7L7Q	**Pos** KM	**Pos** KM
KTDGJY	**Pos** KM, TMB	**Pos** KM, TMB
L2NTK4	**Pos** PTMB	**Pos** PTMB
LGHFNB	**Pos** KM	**Pos** KM
LHXM97	**Pos** Peroxtesmo, FOB	**Pos** Peroxtesmo, FOB
LM8X3L	**Pos** KM	**Pos** KM
LTTQEL	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
LU33PV	**Pos** Hemastix	**Pos** Hemastix
LUQ42E	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
LZRFT6	**Pos** FOB	**Pos** FOB
ME9PY7	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
MH6JQG	**Pos** Hemastix, HemaTrace	**Pos** Hemastix, HemaTrace
MH7A26	**Pos** O-tol, RSID HemaTrace	**Pos** O-tol, RSID HemaTrace
MVYTHV	**Pos** O-tol	**Pos** O-tol
MWRQP3	**Pos** KM	**Pos** KM
NBLFJD	**Pos** LMG, HemaTrace	**Pos** LMG, HemaTrace
NBP7JU	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
NFJDAB	**Pos** KM	**Pos** KM
NFYDTL	**Pos** KM	**Pos** KM
NJLEA9	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
NKCYY8	**Pos** LMG, Ouchterlony	**Pos** LMG, Ouchterlony
NKQPLW	**Pos** KM, TMB	**Pos** KM, TMB
NKUC2P	**Pos** O-tol	**Pos** O-tol
NNEYZ6	**Pos** LMG, Heme direct	**Pos** LMG, Heme direct
NPN7ZC	**Pos** OT, PMB	**Pos** OT, PMB
P4Y6K4	**Pos** KM	**Pos** KM
P7QKC6	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace

TABLE 1a

| WebCode | Blood Screening Results | | | |
	Item 3		Item 4	
PAVH2Y	Pos	TMB (Hemastix), HemaTrace	Pos	TMB (Hemastix), HemaTrace
PDWJ2W	Pos	KM, HemaTrace	Pos	KM, HemaTrace
PGVMJN	Pos	Combur (TMB), KM	Pos	Combur (TMB), KM
PHKXAG	Pos	KM	Pos	KM
PJH996	Pos	KM, HemaTrace	NT	KM, HemaTrace
PKRL48	Pos	IR Light, Luminol, Phen	Pos	IR Light, Luminol, Phen
PMJKG7	Pos	KM, Seratec HemDirect	Pos	KM, Seratec Hemdirect
PNDV7Y	Pos	KM	Pos	KM
PNNJ3Y	Pos	KM, HemaTrace	Pos	KM, HemaTrace
PWHEGW	Pos	KM	Pos	KM
PZ4YK7	Pos	KM, Seratec HemDirect	Pos	KM, Seratec HemDirect
Q7JBLC	Pos	KM, HemaTrace	Pos	KM, HemaTrace
QCY6Z3	Pos	KM and HemaTrace	Pos	KM and HemaTrace
QD3ETE	Pos	KM, HemaTrace	Pos	KM, HemaTrace
QEEDNM	Pos	KM, HemaTrace	Pos	KM, HemaTrace
QFW3CA	Pos	KM, HemDirect	Pos	KM, HemDirect
QGRARK	Pos	LMG	Pos	LMG
QH7P6M	Pos	KM, Combur (TMB)	Pos	KM, Combur (TMB)
QLXKMF	Pos	KM, HemaTrace	Pos	KM, HemaTrace
QLZP2A	Pos	KM	Pos	KM
QRNWKW	Pos	KM, TMB	Pos	KM, TMB
QRPMTZ	Pos	O-tol	Pos	O-tol
QTX4JJ	Pos	KM test	Pos	KM test
QV9PPX	Pos	KM, HEM	Pos	KM, HEM
QZUYKN	Pos	HemaTrace	Pos	Hemtrace
R3JKT6	Pos	KM	Pos	KM
R4JAQ9	Pos	Luminol, KM, Hemdirect	Pos	KM
RDJZWN	Pos	KM, HemaTrace	Pos	KM, HemaTrace
RDPQ8X	Pos	KM	Pos	KM
RG4T8V	Pos	KM, HemDirect	Pos	KM, HemDirect
RGFLNQ	Pos	Hemastix	Pos	Hemastix
RQQ444	Pos	KM	Pos	KM
RR6QYH	Pos	KM	Pos	KM
RV43VH	Pos	KM	Pos	KM
RZVYD2	Pos	KM, Hem	Pos	KM, Hem

TABLE 1a

WebCode	Blood Screening Results			
	Item 3		**Item 4**	
T3LVL8	Pos	KM	Pos	KM
T47JLU	Pos	KM	Pos	KM
TAY7CE	Pos	KM	Pos	KM
TCHHCX	Pos	KM	Pos	KM
TD2ZEP	Pos	Hemochromogen	Pos	Hemochromogen
TDVCUJ	Pos	KM	Pos	KM
TDWMP8	Pos	KM	Pos	KM
TH9W26	Pos	LMG	Pos	LMG
TNFY37	Pos	KM	Pos	KM
TNZ4JE	Pos	KM	Pos	KM
TT9H84	Pos	KM	Pos	KM
TZ88QU	Pos	KM	Pos	KM
U2H7K3	Pos	KM	Pos	KM
U8QG3W	Pos	O-tol	Pos	O-tol
UC6GX4	Pos	KM	Pos	KM
UJXKYQ	Pos	KM, HemaTrace	Pos	KM, HemaTrace
UTT2P2	Pos	KM, HemaTrace	Pos	KM, HemaTrace
UW24CE	Pos	KM, RSID	Pos	O-tol, HemaTrace
V47776	Pos	Luminol, KM, IR	Pos	Luminol, KM, IR
VGRF2W	Pos	O-tol	Pos	O-tol
VL2THV	Pos	O-tol, HemaTrace	Pos	O-tol, HemaTrace
VLZ3AR	Pos	KM, TMB	Pos	KM, TMB
VNCJXR	Pos	KM, Hemdirect	Pos	KM, Hemdirect
VPKRU6	Pos		Pos	
VTKK49	Pos	LMG	Pos	LMG
VTXRTG	Pos	KM	Pos	KM
VUU7FA	Pos	KM, HemaTrace	Pos	KM, HemaTrace
VVBJKR	Pos	KM, HemaTrace	Pos	KM, HemaTrace
VVVERL	Pos	KM	Pos	KM
VZMJKP	Pos	KM, HemaTrace	Pos	KM, HemaTrace
W38G92	Pos	KM	Pos	KM
W9TTJ3	Pos	KM	Pos	KM
WEEAUL	Pos	Hemastix	Pos	Hemastix
X2QM2Y	Pos	LMG	Pos	LMG
X8DEBD	Pos	KM, LMG, HemaTrace	Pos	KM, LMG, HemaTrace

TABLE 1a

WebCode	Blood Screening Results	
	Item 3	**Item 4**
X8Q2PL	**Pos** KM	**Pos** KM
XAL4RA	**Pos** KM	**Pos** KM
XG3E8W	**Pos** KM, HemaTrace	**Pos** KM, , HemaTrace
XJ7YR6	**Pos** LMG, HemaTrace	**Pos** LMG, HemaTrace
XJAD8Q	**Pos** KM, HemaTrace	**Pos** KM
XLZTYR	**Pos** KM, HemDirect	**Pos** KM, HemDirect
XQE4YW	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
XUUVPP	**Pos** TMB (Hemastix) & HemaTrace	**Pos** TMB (Hemastix) & HemaTrace
XYXQGC	**Pos** KM	**Pos** KM
YE8YW7	**Pos** KM	**Pos** KM
YPNNR6	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
YRGF2P	**Pos** Hemophan, FOB	**Pos** Hemophan, FOB
Z2GMX2	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
Z6HF7E	**Pos** Seratec HEM	**Pos** Seratec HEM
Z8QKPU	**Pos** LMG, HemaTrace	**Pos** LMG, HemaTrace
Z96NFK	**Pos** KM	**Pos** KM
Z9VDFM	**Pos** O-tol, Seratec PMB	**Pos** O-tol, Seratec PMB
ZC6YBK	**Pos** KM	**Pos** KM
ZFVUTD	**Pos** O-tol	**Pos** O-tol
ZGVB7G	**Pos** KM	**Pos** KM
ZJHNAT	**Pos** KM, HemaTrace	**Pos** KM, HemaTrace
ZJLDC6	**Pos** KM	**Pos** KM
ZKTALU	**Pos** FOB	**Pos** FOB
ZVHC8G	**Pos** KM	**Pos** KM
ZVXBAZ	**Pos** KM	**Pos** KM

Table 1a: Serology Screening Response Summary - Blood   Participants: **303**

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

	Item 3	**Item 4**
Positive	**303**	**302**
Negative	**0**	**0**
Inconclusive	**0**	**0**
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 1b

WebCode	Semen Screening Results	
	Item 3	Item 4
24ZGAD	Neg ALS, AP, Micro	Neg ALS, AP, Micro
2H4JBU	Neg AP, PSA, Micro	Neg AP, PSA, Micro
2VDR6T	Neg AP	Neg AP, Micro, RSID
2Z6VXX	Neg ALS, AP, Micro	Neg ALS, AP, Micro
37K8Y4	Neg AP	Neg AP
439V29	Neg AP, PSA	Neg AP, PSA
4GLY9H	Neg AP	Neg AP, Micro, RSID
4PWQNK	Neg PSA	Neg PSA
4V3A6X	Neg ALS, AP	NT
6FNHHJ	Neg AP, Micro, PSA	Neg AP, Micro, PSA
6U66L6	Neg AP, PSA, Micro	Neg AP, PSA, Micro
7CG9JF	Neg AP, Seratec PSA	Neg AP, Seratec PSA
7FEKMT	Neg AP, Micro, PSA	Neg AP, Micro, PSA
7KEKCQ	Neg AP	Neg AP, Micro
7Q3YLA	Neg AP, Micro	Neg AP, Micro
84QQ2R	Neg ALS, AP, Micro	Neg ALS, AP, Micro
8AD4V6	Neg AP, PSA	Neg AP, PSA
8GEV9N	Neg AP	Neg AP, Micro, RSID Semen
8GVGRJ	Neg AP	Neg AP
8L3RKR	Neg AP, Micro	Neg AP, Micro
8TN3T8	Neg ALS, AP	Neg ALS, AP
8UHQC3	Neg AP	Neg AP
8UM447	Neg AP, PSA	Neg AP, PSA
8UV3T2	Neg PSA	Neg PSA
9CUXZ4	Neg AP	Neg AP
9V4AXF	Neg AP, Micro	Neg AP, Micro
9XX9ZK	Neg AP	Neg AP, Micro, RSID
A4RPVH	Neg ALS, AP	Neg ALS, AP
AJ8KG7	Neg AP	Neg AP
AM4CJC	Neg PSA, Micro	Neg PSA, Micro
BUP8W7	Neg AP/ Micro	Neg AP/ Micro
CFJ2DE	Neg AP	Neg AP, Micro, RSID

TABLE 1b

| WebCode | Semen Screening Results | |
	Item 3	Item 4
CFML6N	Neg AP	Neg AP
CMFRPN	Neg AP, PSA, RSID Semen	Neg AP, PSA, RSID Semen
CX7UBB	Neg AP, PSA, Micro	Neg AP, PSA, Micro
D7AAR4	Neg AP, Micro	Neg AP, Micro
D9UWQ4	Neg PSA	Neg PSA
DE7UPC	Neg ALS, AP	Neg ALS, AP
DJGCVC	Neg AP	Neg AP
DLQPQF	Neg AP	Neg AP, Micro, RSID
DMWB8Z	Neg AP	Neg AP
DNBB62	Neg AP	Neg AP
DYTFCK	Neg AP	Neg AP
DZRRJ2	Neg AP, PSA (p30)	Neg AP, PSA (p30)
E4C2J6	Neg AP	Neg AP
EF93ZF	Neg AP, PSA, Micro	Neg AP, PSA, Micro
ELZQYD	Neg AP	Neg AP
F9RLAR	Neg AP	Neg AP
FBFAWD	Neg AP	Neg AP, Micro, SG
FPQ994	Neg AP	Neg AP
FVLTKZ	Neg AP	Neg AP
GCN9F6	Neg AP, PSA, Micro	Neg AP, PSA, Micro
GZ4MQW	Neg AP	Neg AP
H3UMMC	Neg AP, PSA, and Micro	Neg AP, PSA, and Micro
HCEFX3	Neg Micro, PSA	Neg Micro, PSA
HVA49X	Neg ALS, AP, Micro, PSA	Neg ALS, AP, Micro, PSA
JE6WTW	Neg AP	Neg AP
JQFFDC	Neg ALS, AP, Micro	Neg ALS, AP, Micro
JY9JEZ	Neg PSA, Micro	Neg PSA, Micro
KA48PU	Neg AP	Neg AP
KJQBQ3	Neg AP	Neg AP
KKPEMX	Neg ALS, AP	Neg ALS, AP
KTDGJY	Neg AP	Neg AP
LUQ42E	Neg ALS, AP, PSA, Micro	Neg ALS, AP, PSA, Micro
LZRFT6	Neg PSA	Neg PSA
NBLFJD	Neg AP, PSA, Micro	Neg AP, PSA, Micro

TABLE 1b

WebCode	Semen Screening Results	
	Item 3	**Item 4**
NJLEA9	**Neg** AP, PSA, Micro	**Neg** AP, PSA, Micro
NKQPLW	**Neg** AP	**Neg** AP
NNEYZ6	**Neg** AP	**Neg** AP
NPN7ZC	**Neg** AP, PSA	**Neg** AP, PSA
P7QKC6	**Neg** PSA, Micro, AP	**Neg** PSA, Micro, AP
PAVH2Y	**Neg** ALS, AP	**Neg** ALS, AP
PGVMJN	**Neg** AP, PSA	**Neg** AP, PSA
PKRL48	**Neg** ALS, AP, Micro	**Neg** ALS, AP, Micro
PMJKG7	**Neg** AP	**Neg** AP, Micro, RSID
PWHEGW	**Neg** AP	**Neg** AP
PZ4YK7	**Neg** AP	**Neg** AP, Micro, RSID
QEEDNM	**Neg** AP	**Neg** AP
QFW3CA	**Neg** ALS, AP, Micro, PSA	**Neg** ALS, AP, Micro, PSA
QH7P6M	**Neg** AP, PSA	**Neg** AP, PSA
QLXKMF	**Neg** AP	**Neg** AP
QRNWKW	**Neg** AP	**Neg** AP
QV9PPX	**Neg** AP	**Neg** AP, Micro, RSID
R4JAQ9	**Neg** ALS, AP, Micro	**Neg** AP
RDPQ8X	**Neg** AP	**Neg** AP
RG4T8V	**Neg** AP	**Neg** AP, Micro, RSID
RR6QYH	**Neg** AP, PSA, Micro	**Neg** AP. PSA, Micro
RV43VH	**Neg** AP, PSA, Micro	**Neg** AP, PSA, Micro
RZVYD2	**Neg** AP	**Neg** AP, Micro, RSID Semenogelin
TAY7CE	**Neg** AP, PSA, Micro	**Neg** AP, PSA, Micro
U2H7K3	**Neg** AP	**Neg** AP
U8QG3W	**Neg** AP	**Neg** AP
UJXKYQ	**Neg** Micro, PSA	**Neg** Micro, PSA
UTT2P2	**Neg** AP, PSA, Micro	**Neg** AP, PSA, Micro
V47776	**Neg** ALS, AP, Micro	**Neg** ALS, AP, Micro
VLZ3AR	**Neg** AP	**Neg** AP
VNCJXR	**Neg** AP	**Neg** AP, Micro, RSID
VVBJKR	**Neg** AP, PSA, Micro	**Neg** AP, PSA, Micro
X8DEBD	**Neg** ALS, AP, PSA, Micro	**Neg** ALS, AP, PSA, Micro
X8Q2PL	**Neg** ALS, AP	**Neg** ALS, AP

TABLE 1b

WebCode	Semen Screening Results			
	Item 3		Item 4	
XAL4RA	Neg	AP, Micro	Neg	AP, Micro
XJAD8Q	Neg	AP, Micro	Neg	AP, Micro
XLZTYR	Neg	PSA	Neg	PSA
XQE4YW	Neg	AP, CWD	Neg	AP, CWD, Micro, RSID
XUUVPP	Neg	ALS & AP	Neg	ALS & AP
YRGF2P	Neg	RSID Semen	Neg	RSID Semen
Z6HF7E	Neg	Seratec PSA	Neg	Seratec PSA
ZFVUTD	Neg	AP	Neg	AP
ZGVB7G	Neg	AP, Micro, ALS	Neg	AP, Micro, ALS
ZKTALU	Neg	RSID	Neg	RSID

Table 1b: Serology Screening Response Summary - Semen		Participants: 110
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	110	109
Inconclusive	0	0
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	
24ZGAD	Neg	RSID	Neg	RSID
2H4JBU	Neg	Phadebas	Neg	Phadebas
2Z6VXX	Neg	Phadebas	Neg	Phadebas
37K8Y4	Neg	RSID Saliva	Neg	RSID Saliva
439V29	Neg	Phadebas	Neg	Phadebas
6FNHHJ	Neg	Phadebas	Neg	Phadebas
6U66L6	Inc	SALIgAE	Neg	SALIgAE
7CG9JF	Neg	Seratec Amylase	Neg	Seratec Amylase
7FEKMT	Neg	Phadebas	Neg	Phadebas
7Q3YLA	Neg	RSID	Neg	RSID
84QQ2R	Neg	ALS, Phadebas	Neg	ALS, Phadebas
8AD4V6	Neg	Phadebas	Neg	Phadebas
8L3RKR	Neg	RSID Saliva	Neg	RSID Saliva
8UM447	Neg	Phadebas	Neg	Phadebas
AJ8KG7	Neg	RSID	Neg	RSID
AM4CJC	Neg	RSID	Neg	RSID
AZWXP8	Neg	RSID	Neg	RSID
BUP8W7	Neg	RSID	Neg	RSID
CMFRPN	Neg	RSID Saliva	Neg	RSID Saliva
CX7UBB	Neg	Phadebas	Neg	Phadebas
D7AAR4	Neg	RSID	Neg	RSID
DYTFCK	Neg	RSID Saliva	Neg	RSID Saliva
DZRRJ2	Neg	Phadebas	Neg	Phadebas
F9RLAR	Neg	RSID Saliva	Neg	RSID Saliva
FVLTKZ	Neg	RSID Saliva	Neg	RSID Saliva
GCN9F6	Neg	Phadebas	Neg	Phadebas
H3UMMC	Neg	Phadebas	Neg	Phadebas
HCEFX3	Neg	RSID	Neg	RSID
HVA49X	Neg	Phadebas	Neg	Phadebas
JE6WTW	Neg	RSID Saliva	Neg	RSID Saliva
JQFFDC	Neg	ALS, Phadebas	Neg	ALS, Phadebas
JY9JEZ	Neg	RSID	Neg	RSID

TABLE 1c

WebCode	Saliva Screening Results			
	Item 3		Item 4	
KA48PU	Neg	RSID Saliva	Neg	RSID Saliva
KLXHAU	Neg	RSID	Neg	RSID
LHXM97	Neg	RSID Saliva	Neg	RSID Saliva
LUQ42E	Neg	ALS, Phadebas	Neg	ALS, Phadebas
LZRFT6	Neg	RSID	Neg	RSID
NBLFJD	Neg	Amylase, Micro	Neg	Amylase, Micro
NJLEA9	Neg	Phadebas	Neg	Phadebas
NKCYY8	Inc	Radial Diffusion	Inc	Radial Diffusion
NNEYZ6	Neg	Phadebas	Neg	Phadebas
NPN7ZC	Neg	RSID-Saliva	Neg	RSID-Saliva
P7QKC6	Neg	Phadebas	Neg	Phadebas
PGVMJN	Neg	Phadebas	Neg	Phadebas
PKRL48	Neg	Amylase Diffusion	Neg	Amylase Diffusion
QD3ETE	Neg	RSID	Neg	RSID
QEEDNM	Neg	RSID	Neg	RSID
QFW3CA	Neg	ALS, RSID Saliva	Neg	ALS, RSID Saliva
QH7P6M	Neg	Phadebas	Neg	Phadebas
QLXKMF	Neg	Phadebas	Neg	Phadebas
RR6QYH	Neg	Amylase Diffusion plate	Neg	Amylase Diffusion plate
UJXKYQ	Neg	RSID	Neg	RSID
UTT2P2	Neg	Phadebas	Neg	Phadebas
V47776	Neg	Amylase	Neg	Amylase
VPKRU6	Neg		Neg	
VUU7FA	Neg	RSID-Saliva	Neg	RSID-Saliva
VVBJKR	Neg	Phadebas	Neg	Phadebas
X8DEBD	Inc	SALIgAE	Inc	SALIgAE
XAL4RA	Neg	RSID	Neg	RSID
YRGF2P	Neg	RSID Saliva	Neg	RSID Saliva
Z6HF7E	Neg	Seratec AMY	Neg	Seratec AMY
ZGVB7G	Neg	RSID	Neg	RSID
ZKTALU	Neg	RSID	Neg	RSID

Table 1c: Serology Screening Response Summary - Saliva

Participants: 63

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	60	61
Inconclusive	3	2
Not Tested (NT)	0	0
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	
236F9B	Pos	PowerQuant	Pos	PowerQuant
2CENCQ	Pos	HemaTrace	NT	
2VDR6T	Pos	Y-Screening	Pos	Y-Screening
2Z6VXX	Pos	QuantTrio	Pos	QuantTrio
37K8Y4	Pos	HemaTrace, PowerQuant	Pos	HemaTrace, PowerQuant
3DLKWL	Pos	HemaTrace	Pos	HemaTrace
3JC9VJ	Pos	ABAcard HemaTrace	Pos	ABAcard HemaTrace
439V29	Pos	Quant Trio	Pos	Quant Trio
4GLY9H	Pos	PCR	Pos	PCR
4PWQNK	Pos	HemDirect	Pos	HemDirect
63WFXK	Pos	HemaTrace	Pos	HemaTrace
6AKGJB	Pos	HT	Pos	HT
6U66L6	Pos	HemaTrace	Pos	HemaTrace
7CG9JF	Pos	Seratec PMB	Pos	Seratec PMB
7DXJ2Z	Pos	RSID-Blood	Pos	RSID-Blood
7KEKCQ	Pos		Pos	
7WVWJD	Pos	ABAcard	NT	
84QQ2R	Pos	Quantifiler Trio	Pos	Quantifiler Trio
8AD4V6	Pos	Quant Trio	Pos	Quant Trio
8GEV9N	Pos	Y-screening	Pos	Y-screening
8QVNAH	Pos	HTR	NT	
8UM447	Pos	Quant Trio	Pos	Quant Trio
8VRYEV	Pos	RSID-Blood	Pos	RSID-Blood
9XX9ZK	Pos		Pos	
A7WCDT	Pos	PowerQuant	Pos	PowerQuant
AFP4Y8	Pos	HemaTrace	Pos	HemaTrace
AGFVND	Pos	Seratec PMB	Pos	Seratec PMB
AX6YDU	Pos	PowerQuant	Pos	PowerQuant
C249X2	Pos	RSID		
CFJ2DE	Pos	YScreen	Pos	YScreen
CPMANK	Pos	HemaTrace, quant TRIO	Pos	HemaTrace, quant TRIO
DANKAY	Pos	PowerQuant	Pos	PowerQuant
DLQPQF	Pos		Pos	

TABLE 1d

WebCode	Human Origin Screening Results			
	Item 3		Item 4	
DW4JUY	Pos	RSID	NT	
DYTFCK	Pos		Pos	
DZRRJ2	Pos	Quant Trio	Pos	Quant Trio
F6BXPY	Pos	RSID	NT	
F9RLAR	Pos	PowerQuant, HemaTrace	Pos	PowerQuant, HemaTrace
FBFAWD	Pos	CWD	Pos	CWD
G3VM7F	Pos	Quantifiler Trio	Pos	Quantifiler Trio
GEURH8	Pos	HemDirect	Pos	HemDirect
GJL2NY	Pos	HemaTrace	Pos	HemaTrace
HVA49X	Pos	Quantifiler trio	Pos	Quantifiler trio
HXH2ZU	Pos	PowerQuant	Pos	PowerQuant
J9FJPM	Pos	HemaTrace, Power Quant	Pos	HemaTrace, Power Quant
JQFFDC	Pos	Quant Trio	Pos	Quant Trio
KLXHAU	Pos	RSID	Pos	RSID
KN7L7Q	Pos	Powerquant	Pos	Powerquant
LM8X3L	Pos	PowerQuant	Pos	PowerQuant
LTTQEL	Pos	HemaTrace, powerquant	Pos	HemaTrace, powerquant
MKXAZ2	Pos	PPF and Y23 STR data	Pos	PPF and Y23 STR data
NKCYY8	Pos	Ouchterlony, Quant Trio	Pos	Ouchterlony, Quant Trio
NPN7ZC	Pos		Pos	
PGVMJN	Pos	Quant Trio	Pos	Quant Trio
PKRL48	NT		Pos	HemDirect
PMJKG7	Pos		Pos	
PWHEGW	Pos	HemaTrace	Pos	HemaTrace
PZ4YK7	Pos	CWD	Pos	CWD
QD3ETE	Pos	Powerquant	Pos	Powerquant
QH7P6M	Pos	Quant Trio	Pos	Quant Trio
QLXKMF	Pos	HemaTrace, PowerQuant	Pos	HemaTrace, PowerQuant
QRPMTZ	Pos	HemaTrace	Pos	HemaTrace
QV9PPX	Pos	PCR	Pos	PCR
R4JAQ9	Pos	Hemdirect	NT	
RG4T8V	Pos	Y-Screening	Pos	Y-Screening
RZVYD2	Pos		Pos	
TDVCUJ	Pos	PowerQuant	Pos	PowerQuant
UW24CE	Pos	RSID	NT	

TABLE 1d

WebCode	Human Origin Screening Results			
	Item 3		**Item 4**	
V47776	**Pos**	HemDirect	NT	
VGRF2W	**Pos**	HémaTrace	NT	
VNCJXR	**Pos**	Casework direct	**Pos**	Casework direct
VTKK49	**Pos**	RISD-Blood	**Pos**	RSID-Blood
VTXRTG	**Pos**	PowerQuant	**Pos**	PowerQuant
VUU7FA	**Pos**	HemaTrace, PowerQuant	**Pos**	HemaTrace, PowerQuant
X2QM2Y	**Pos**	Quant TRIO	**Pos**	Quant TRIO
X8DEBD	**Pos**	HemaTrace	**Pos**	HemaTrace
XLZTYR	**Pos**	HemDirect	**Pos**	HemDirect
XQE4YW	**Pos**		**Pos**	
YE8YW7	**Pos**	PowerQuant	**Pos**	PowerQuant
YRGF2P	**Pos**		**Pos**	
Z6HF7E	**Pos**	Seratec HEM	**Pos**	Seratec HEM
Z9VDFM	**Pos**	Seratec PMB	**Pos**	Seratec PMB

Table 1d: Serology Screening Response Summary - Human Origin			**Participants: 82**
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
	Item 3	**Item 4**	
Positive	**81**	**72**	
Negative	**0**	**0**	
Inconclusive	**0**	**0**	
Not Tested (NT)	**1**	**9**	
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**	
2VDR6T	Neg	Y-Screening	Pos	Y-Screening
2XZKKU	Neg	TRIO	Pos	TRIO
33MALB	Neg	Quantifiler Trio	Pos	Quantifiler Trio
3JC9VJ	Neg	Plexor HY	Pos	Plexor HY
3QHEL3	Neg	TRIO	Pos	TRIO
439V29	Neg	Quant Trio	Pos	Quant Trio
4GLY9H	Neg	PCR	Pos	PCR
6AKGJB	Neg	Quantifiler Trio	Pos	Quantifiler Trio
7KEKCQ	Neg		Pos	
7WVWJD	Neg	Plexor HY	Pos	Plexor HY
8AD4V6	Neg	Quant Trio	Pos	Quant Trio
8GEV9N	Neg	Y-screening	Pos	Y-screening
8GVGRJ	Neg	Promega Casework Direct Kit	Pos	Promega Casework Direct Kit
8KRTHV	Neg	TRIO	Pos	TRIO
8UM447	Neg	Quant Trio	Pos	Quant Trio
9XX9ZK	Neg		Pos	
AFP4Y8	Neg	Quant Trio	Pos	Quant Trio
AM4CJC	Neg	Y-Screening	Pos	Y-Screening
CFJ2DE	Neg	YScreen	Pos	YScreen
CNHYAA	Neg	NaOH	Pos	NaOH
CPMANK	Neg	quant TRIO	Pos	quant TRIO
DJGCVC	Neg	Promega Casework Direct Kit	Pos	Promega Casework Direct Kit
DLQPQF	Neg		Pos	
DYTFCK	Pos		Pos	
DZRRJ2	Neg	Quant Trio	Pos	Quant Trio
FBFAWD	Neg	CWD	Pos	CWD
FR9YWF	Neg	TRIO	Pos	TRIO
G3VM7F	Neg	Quantifiler Trio	Pos	Quantifiler Trio
GQANJ6	Neg	NaOH Y Screen	Pos	NaOH Y Screen
HCEFX3	Neg	Y-screening	Pos	Y-screening
HVA49X	Neg	Quantifiler trio	Pos	Quantifiler trio
JDUBGU	Neg	NaOH	Pos	NaOH
JQJZ6L	Neg	Quantifiler Trio	Pos	Quantifiler Trio
JY9JEZ	Neg		Pos	
L37NFC	Neg	Quant Trio	Pos	Quant Trio

TABLE 1e

| WebCode | Y Screening Results | | | |
	Item 3		Item 4	
MKXAZ2	Neg	Amelogenin, Y23 data	Pos	Amelogenin, Y23 data
NKCYY8	Neg	Quant Trio	Pos	Quant Trio
PGVMJN	Neg	Quant Trio	Pos	Quant Trio
PMJKG7	Neg		Pos	
PZ4YK7	Neg	CWD	Pos	CWD
QH7P6M	Neg	Quant Trio	Pos	Quant Trio
QRPMTZ	Neg	Quantiplex HYres	Pos	Quantiplex HYres
QV9PPX	Neg	PCR	Pos	PCR
RDPQ8X	Neg	Promega Casework Direct	Pos	Promega Casework Direct
RG4T8V	Neg	Y-Screening	Pos	Y-Screening
RZVYD2	Neg		Pos	
UJXKYQ	Neg		Pos	
UW24CE	Neg	NaOH	Pos	NaOH
V4993G	Neg	NaOH extraction, Trio quant	Pos	NaOH extraction, Trio quant
V6HHTT	Neg	Promega Casework Direct Kit	Pos	Promega Casework Direct Kit
VGUBE2	Neg	Quantifiler Trio	Pos	Quantifiler Trio
VNCJXR	Neg	Casework direct	Pos	Casework direct
X2QM2Y	Neg	Quant TRIO	Pos	Quant TRIO
XQE4YW	Neg		Pos	
YRGF2P	Neg		Pos	
ZXFLVJ	Neg		Pos	

| Table 1e: Serology Screening Response Summary - Y Screening | | | Participants: 56 |
This table excludes participants who did not report or reported "Not Tested" for both Item 3 and Item 4.			
		Item 3	Item 4
	Positive	1	56
	Negative	55	0
	Inconclusive	0	0
	Not Tested (NT)	0	0
	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	
6U66L6	ALS Neg		ALS Neg	
7CG9JF	Urine & Feces Neg	DMAC, Creatinine, Urobilinogen	Urine & Feces Pos	DMAC, Creatinine, Urobilinogen
7KEKCQ			Semen Inc	RSID
AGFVND	Menstrual Blood Neg	Seratec PMB	Menstrual Blood Neg	Seratec PMB
Z9VDFM	Menstrual Blood Neg	Seratec PMB	Menstrual Blood Neg	Seratec PMB

STR Amplification Kit(s) & Results

TABLE 2

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

Item 1 - STR Results

236F9B   PowerPlex® Fusion 6C

Item						
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

24ZGAD   GlobalFiler™

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

2CENCQ   Identifiler®

Item						
		20,25		17,17	12,12	
1	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

2DR4UY   GlobalFiler™ (STRmix)

Item						
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

2E6XCJ   GlobalFiler™

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

2H4JBU   GlobalFiler™

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

2NAETA GlobalFiler™ Express

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

2Q2D9T GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

2XZKKU Investigator® 24plex QS

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

2Z6VXX GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	No Results			No Results	

32BRPF PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

32GH2B PowerPlex® 21

15.3,16	20,25		17,17	12,12	12,12
8,11	13,13		18,21	12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24	9,13	7,17		7,9	8,11
17,17					

33MALB PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

33RKLN   Investigator® 24plex

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

3734MW   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

37K8Y4   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

3AREQW   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

3D69EG   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

3DLKWL   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

3EZVT6   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	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

3JC9VJ — Identifiler® Plus

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		20,25		17,17	12,12	
1	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

3KT89G — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

3N47XA — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

3PXUG6 — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	No results			No results	

3PY4TG — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

3QHEL3 — Investigator® 24plex QS

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

3TMBGJ — PowerPlex® 21

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25		17,17	12,12	12,12
1	8,11	13,13		18,21	12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24	9,13	7,17		7,9	8,11
	17,17					

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

3URNHD — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

439V29 — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

4DZBGP — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	NT
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	NT	NT	17,19	7,9	8,11
17,17	NR	NT	NT	NR	

4NJPKR — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

4PDD3N — Investigator® 24plex QS (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

4PPCVC — GlobalFiler™ Express (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

4PWQNK — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	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

4RFBCV   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

4V3A6X   PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

624GQE   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17		7,9	8,11
	17	NT				

63WFXK   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

6AKGJB   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

6BAC27   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

6BPTVY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

6DGNKT	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

6FNHHJ	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

6GYVDM	GlobalFiler™ (STRmix)					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

6NGVFX	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

6Q8ELK	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	-			-	

6U66L6	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

6UL93H	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	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

6V6CCH PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

6Z7GH2 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	no results			no results	

7BMYQ6 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

7CG9JF GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X,X	10,12
21,24			17,19	7,9	8,11
17					

7DXJ2Z GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

7FEKMT PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17		7,9	8,11
17	NA				

7G8HVZ GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TABLE 2

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

Item 1 - STR Results

7J6J8J GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

7L6FLW GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

7Q3YLA GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

7WVWJD Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	20,25		17,17	12,12	
8,11	13,13			12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24				7,9	8,11
17,17					

82J7ZP PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

84QQ2R GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	No Results			No Results	

86JE7K GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

89EMDV GlobalFiler™ Express (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	-			-	

8AD4V6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

8APA83 GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X,X	10,12
	21,24			17,19	7,9	8,11
	17	NM			NM	

8CAEJ8 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

8GVGRJ GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X,X	10,12
	21,24			17,19	7,9	8,11
	17	NID			NID	

8KRTHV Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

8MVPQD GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

TABLE 2

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

Item 1 - STR Results

8QH6DR   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

8QVNAH   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	20,25		17,17	12,12	
8,11	13,13			12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24				7,9	8,11
17,17					

8TN3T8   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

8UHQC3   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

8UM447   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

8UV3T2   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

8VRYEV   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

98EZFH   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

9CUXZ4   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

9CY92G   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

9E2J7C   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

9HK7P6   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

9V3JMQ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

9V4AXF   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

TABLE 2

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

Item 1 - STR Results

9XDGZ9 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

A4RPVH GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	No Result			No Result	

A7WCDT PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

AEGPW8 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

AFP4Y8 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

AG2649 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

AGFVND GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X,X	10,12
21,24			17,19	7,9	8,11
17					

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

AHAJ89 — 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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X,X	10,12
21,24			17,19	7,9	8,11
17	NM			NM	

AJ8KG7 — PowerPlex® Fusion 6C — Item 1

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

AM4CJC — GlobalFiler™ — Item 1

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

AX2JX9 — GlobalFiler™ Express (STRmix) — Item 1

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

AX6YDU — PowerPlex® Fusion 6C — Item 1

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

AZWXP8 — PowerPlex® Fusion 6C — Item 1

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

B4AEWV — PowerPlex® Fusion 6C — Item 1

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

B9ZAGU — Investigator® 24plex (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

BEBHNQ — GlobalFiler™ Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	-			-	

BFZUG6 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

BHAFD3 — GlobalFiler™ Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	NR			NR	

BPQCXY — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X,X	10,12
21,24			17,19	7,9	8,11
17	NM			NM	

BUP8W7 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

C249X2 — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	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

C3EFWM   PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

C87Y8D   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

C8ACZF   GlobalFiler™ (STRmix v2.6)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

CFML6N   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

CMFRPN   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

CNHYAA   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

CPMANK   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	NT
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	NT	NT	17,19	7,9	8,11
	17,17	NR	NT	NT	NR	

TABLE 2

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

Item 1 - STR Results

CVEVUR   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

CWMK6B   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

CX7UBB   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

D43MKC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

D43P9V   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

D7AAR4   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

D9UWQ4   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

DANKAY — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

DE7UPC — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

DGVQ6B — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

DJGCVC — FlexPlex (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	12
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24		7,17	17,19	7,9	8,11
17	NID	NID	NID		

DKAPGY — PowerPlex® Fusion 6C (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

DKUC4M — GlobalFiler™ (STRmix) (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

DMWB8Z — GlobalFiler™ (Item 1)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

DNBB62	PowerPlex® Fusion 6C					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

DW4JUY	GlobalFiler™ (STRmix)					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

DYTFCK	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

DZRRJ2	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

DZZPC6	PowerPlex® Fusion 6C					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

E4C2J6	GlobalFiler™, ForenSeq Signature Prep Primer Set B					
	15.3,16	20,25	13,14	17	12	12
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17	NR	NR	NR	NR	

E9PX8F	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

TABLE 2

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

Item 1 - STR Results

EF93ZF GlobalFiler™

D1S1656 / etc	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	N/R			N/R	

EK9VAJ PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

ELZQYD GlobalFiler™ Express

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	INC	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17		NID	NID	NID	

EN2F3Z PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

EN34LZ GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

ETJWVJ PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

EUXGH3 PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

F2BPMB GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

F6BXPY GlobalFiler™ Express (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	NR			NR	

F6WE63 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

F73YT3 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

F9RLAR PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

FCLQW4 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

FMMBYW GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TABLE 2

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

Item 1 - STR Results

FNX9DD — 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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	no results			no results	

FPQ994 — PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

FR9YWF — Investigator® 24plex QS

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

FVLTKZ — GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

G32CCJ — PowerPlex® Fusion 6C Direct

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

G3GZT8 — PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

G3VM7F — GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	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

G6R4GG   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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

GBB9DX   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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

GCN9F6   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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

GEURH8   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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

GFKEXB   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
	20,25		17,17	12,12	
8,11	13,13			12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24				7,9	8,11
17,17					

GJL2NY   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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

GPD4W7   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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

GQANJ6	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	
GRZPM8	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NID			NID	
GT7X88	PowerPlex® 6C					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17	NR	NR	NR		
GTBUWP	PowerPlex® Fusion 6C					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					
GU7PQ9	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					
GZ4MQW	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					
H3UMMC	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

H8PXJQ   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

HCEFX3   GlobalFiler™

	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

HDWQAV   GlobalFiler™ Express

	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

HQ4TD4   GlobalFiler™

	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

HRWAKE   GlobalFiler™

	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

HVA49X   GlobalFiler™

	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

HXH2ZU   PowerPlex® Fusion 6C

	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

TABLE 2

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

Item 1 - STR Results

J9FJPM — PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

J9Y6MJ — GlobalFiler™ (STRmix)

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	-			-	

JBR36C — GlobalFiler™ (STRmix)

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

JDUBGU — GlobalFiler™ Express (STRmix)

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	NR			NR	

JE6WTW — GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

JQFFDC — GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	No Results			No Results	

JQJZ6L — Investigator® 24plex QS

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

JWAM8Z   GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

Item: 1

JY9JEZ   GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

Item: 1

K36W94   PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

Item: 1

KA48PU   GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

Item: 1

KJAWMY   PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

Item: 1

KJQBQ3   PowerPlex® Fusion 5C

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17		7,9	8,11
17	NR				

Item: 1

KKPEMX   PowerPlex® Fusion

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17		7,9	8,11
17	NT				

Item: 1

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 1 - STR Results

KLXHAU — PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17,17	12,12	-
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17	-	-	-	-	

KN7L7Q — PowerPlex® Fusion 6C

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

KTDGJY — PowerPlex® Fusion 6C, Signature Prep Primer B, mtDNA

15.3,16	20,25	13,14	17	12	12
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

L2NTK4 — GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

L37NFC — GlobalFiler™

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

LGHFNB — GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

LHXM97 — GlobalFiler™ (GeneMapper ID-X 1.5)

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TABLE 2

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

Item 1 - STR Results

LM8X3L   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

LTTQEL   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

LU33PV   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

LZRFT6   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	-
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	-	-	17,19	7,9	8,11
17,17	-	-	-	-	

ME9PY7   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	no results			no results	

MH6JQG   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	No results			No results	

MH7A26   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	20,25		17,17	12,12	
8,11	13,13			12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24				7,9	8,11
17,17					

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

MKXAZ2 — PowerPlex® 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	--
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	--	7,9	8,11
17	--	--	--	--	

MVYTHV — PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
[21],24	9,13	7,17		7,9	8,11
17	NT				

MWRQP3 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

NBLFJD — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	No result			No result	

NBP7JU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

NFJDAB — PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

NFYDTL — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

TABLE 2

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

Item 1 - STR Results

NHLXV6 GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

NJLEA9 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

NKCYY8 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	ND			ND	

NKQPLW PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17	NR	NR	NR		

NKUC2P GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

NNEYZ6 Identifiler® Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	20,25		17,17	12,12	
8,11	13,13			12,13	12,13
14,14	13,13	29,30		X,X	10,12
21,24				7,9	8,11
17,17					

NPN7ZC GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

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

P4Y6K4 — Investigator® 24plex QS (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

P7QKC6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

PAVH2Y — Investigator® 24plex GO!

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR				

PDWJ2W — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

PGVMJN — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

PHKXAG — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

PJH996 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

PKRL48 — 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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X	10,12
21,24			17,19	7,9	8,11
17,17					

PNDV7Y — PowerPlex® Fusion 6C Direct — 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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

PNNJ3Y — 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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

PWHEGW — 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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,10
17,17	-			-	

Q6ELJ3 — 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
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	no results			no results	

Q7JBLC — GlobalFiler™ (STRmix™) — 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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17	-			-	

QCY6Z3 — 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
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

QD3ETE   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

QEEDNM   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

QGRARK   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

QH7P6M   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

QLXKMF   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

QLZP2A   PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

QRNWKW   GlobalFiler™, Signature Prep (primer set B), mtDNA whole genome

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15.3,16	20,25	13,14	17	12	12
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17	NR	NR	NR	NR	

TABLE 2

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

Item 1 - STR Results

QRPMTZ   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
		20,25		17,17	12,12	
1	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

QTX4JJ   GlobalFiler™ Express

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X,X	10,12
	21,24			17,19	7,9	8,11
	17	NM			NM	

QZUYKN   PowerPlex® Fusion 6C

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

R3JKT6   GlobalFiler™

Item						
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

R4JAQ9   GlobalFiler™ Express

Item						
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

RDJZWN   PowerPlex® Fusion 6C

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17	NR	NR	NR		

RDPQ8X   GlobalFiler™ Express

Item						
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NID			NID	

TABLE 2

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

Item 1 - STR Results

RGFLNQ   GlobalFiler™ Express (STRmix)

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

RPX7VX   GlobalFiler™ Express

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

RQQ444   GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

RR6QYH   GlobalFiler™ (STRmix)

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

RV43VH   GlobalFiler™ (STRmix)

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

T3LVL8   PowerPlex® Fusion 6C Direct

15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17					

T47JLU   GlobalFiler™

15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	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

TAY7CE   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

TCHHCX   Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

TD2ZEP   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1		20,25		17,17	12,12	
	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

TDVCUJ   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

TDWMP8   PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

TH9W26   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	ND			ND	

TNFY37   PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

TNZ4JE　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TT9H84　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TZ88QU　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

TZ9XYX　GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

U2H7K3　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

U8QG3W　PowerPlex® Fusion 5C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24	9,13	7,17		7,9	8,11
17					

UC6GX4　GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

TABLE 2

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

Item 1 - STR Results

UJXKYQ	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

UQP78J	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

UTT2P2	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

UW24CE	GlobalFiler™ (STRmix)					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

V47776	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X	10,12
	21,24			17,19	7,9	8,11
	17,17					

V4993G	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	NR			NR	

VGRF2W	Identifiler® Plus					
		20,25		17,17	12,12	
1	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

TABLE 2

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

Item 1 - STR Results

VGUBE2 — GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

VL2THV — Identifiler® Plus

Item						
1		20,25		17,17	12,12	
	8,11	13,13			12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24				7,9	8,11
	17,17					

VLZ3AR — PowerPlex® Fusion 6C

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17	NR	NR	NR		

VPKRU6 — GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

VTKK49 — GlobalFiler™ (STRmix)

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

VTXRTG — PowerPlex® Fusion 6C

Item						
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

VUCYCD — GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	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

VUU7FA PowerPlex® Fusion 6C

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	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17,17					

VVBJKR GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

VVVERL GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

VXGHNR GlobalFiler™ Express

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

VZMJKP PowerPlex® 21

Item						
1	15.3,16	20,25		17,17	12,12	12,12
	8,11	13,13		18,21	12,13	12,13
	14,14	13,13	29,30		X,X	10,12
	21,24	9,13	7,17		7,9	8,11
	17,17					

W38G92 GlobalFiler™

Item						
1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

W9TTJ3 PowerPlex® Fusion 6C Direct

Item						
1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

WEEAUL — GlobalFiler™ Express (STRmix), Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

X2QM2Y — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

X8DEBD — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

X8Q2PL — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

XAL4RA — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

XG3E8W — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

XJ7YR6 — GlobalFiler™, Item 1

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	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

XJAD8Q — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17					

XLZTYR — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	NR			NR	

XUUVPP — Investigator® 24plex GO! (TrueAllele)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X,X	10,12
21,24			17,19	7,9	8,11
17	no result				

XYXQGC — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

YE8YW7 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24	9,13	7,17	17,19	7,9	8,11
17,17					

YPNNR6 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17,17	12,12	
8,11	13,13	13,15	18,21	12,13	12,13
14,14	13,13	29,30	16,16	X,X	10,12
21,24			17,19	7,9	8,11
17,17	no results			no results	

YRGF2P — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15.3,16	20,25	13,14	17	12	
8,11	13	13,15	18,21	12,13	12,13
14	13	29,30	16	X	10,12
21,24			17,19	7,9	8,11
17					

TABLE 2

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

Item 1 - STR Results

Z2GMX2	GlobalFiler™ Express					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17	-			-	

Z6HF7E	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

Z8QKPU	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	N/T
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24	N/T	N/T	17,19	7,9	8,11
	17,17	N/R	N/T	N/T	N/R	

Z96NFK	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

Z9VDFM	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X,X	10,12
	21,24			17,19	7,9	8,11
	17					

ZC6YBK	GlobalFiler™					
	15.3,16	20,25	13,14	17,17	12,12	
1	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17	NR			NR	

ZFVUTD	GlobalFiler™					
	15.3,16	20,25	13,14	17	12	
1	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

TABLE 2

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

Item 1 - STR Results

ZGVB7G   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	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

ZJHNAT   GlobalFiler™

1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

ZJLDC6   PowerPlex® Fusion 6C

1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24	9,13	7,17	17,19	7,9	8,11
	17					

ZKTALU   NGM SElect

1	15.3,16	20,25	13,14	17,17		
		13,13	13,15	18,21		12,13
	14,14	13,13	29,30	16,16	X,X	
	21,24			17,19	7,9	
	17,17					

ZVHC8G   GlobalFiler™

1	15.3,16	20,25	13,14	17	12	
	8,11	13	13,15	18,21	12,13	12,13
	14	13	29,30	16	X	10,12
	21,24			17,19	7,9	8,11
	17					

ZVXBAZ   GlobalFiler™ (STRMix)

1	15.3,16	20,25	13,14	17,17	12,12	
	8,11	13,13	13,15	18,21	12,13	12,13
	14,14	13,13	29,30	16,16	X,X	10,12
	21,24			17,19	7,9	8,11
	17,17					

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

WebCode / Item						
236F9B	PowerPlex® Fusion 6C					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		
24ZGAD	GlobalFiler™					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
2CENCQ	Identifiler®					
2		17,23		14,15	11,13	
	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					
2DR4UY	GlobalFiler™ (STRmix)					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
2E6XCJ	GlobalFiler™					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
2H4JBU	GlobalFiler™					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
2NAETA	GlobalFiler™ Express					
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

2Q2D9T GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

2XZKKU Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

2Z6VXX GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

32BRPF PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

32GH2B PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23		14,15	11,13	12,12
10,12	11,13		17,18	8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26	12,14	7,13		6,9	11,11
15,16					

33MALB PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

33RKLN Investigator® 24plex

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

TABLE 2

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

Item 2 - STR Results

3734MW — 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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

37K8Y4 — PowerPlex® Fusion 6C

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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

3AREQW — 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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3D69EG — PowerPlex® Fusion 6C

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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

3DLKWL — 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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3EZVT6 — 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
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3JC9VJ — 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
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

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

3KT89G — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3N47XA — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3PXUG6 — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3PY4TG — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3QHEL3 — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

3TMBGJ — PowerPlex® 21

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23		14,15	11,13	12,12
	10,12	11,13		17,18	8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26	12,14	7,13		6,9	11,11
	15,16					

3URNHD — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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

439V29 — GlobalFiler™ — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

4DZBGP — GlobalFiler™ — Item 2

12,17.3	17,23	11,15	14,15	11,13	NT
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	NT	NT	27.2,28.2	6,9	11,11
15,16	11	NT	NT	2	

4NJPKR — GlobalFiler™ — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

4PDD3N — Investigator® 24plex QS — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11				

4PPCVC — GlobalFiler™ Express — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

4PWQNK — GlobalFiler™ (STRmix) — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

4RFBCV — GlobalFiler™ — Item 2

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

4V3A6X　　PowerPlex® Fusion 6C

	D1S1656/...	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

624GQE　　PowerPlex® Fusion 5C

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,9	11
	15,16	11				

63WFXK　　GlobalFiler™ Express

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	28,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

6AKGJB　　PowerPlex® Fusion 6C

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

6BAC27　　GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

6BPTVY　　GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

6DGNKT　　GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

6FNHHJ   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6GYVDM   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

6NGVFX   GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6Q8ELK   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	inc	11,11
15,16	11			2	

6U66L6   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6UL93H   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

6V6CCH   PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	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

6Z7GH2 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

7BMYQ6 GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7CG9JF GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7DXJ2Z GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7FEKMT PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,9	11
	15,16	11				

7G8HVZ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

7J6J8J GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

TABLE 2

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

Item 2 - STR Results

7L6FLW GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7Q3YLA GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7WVWJD Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

82J7ZP PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

84QQ2R GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

86JE7K GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

89EMDV GlobalFiler™ Express (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

8AD4V6 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

8APA83 GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

8CAEJ8 PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

8GVGRJ PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

8KRTHV Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

8MVPQD GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

8QH6DR GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			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

8QVNAH — Identifiler® Plus (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

8TN3T8 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

8UHQC3 — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

8UM447 — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

8UV3T2 — PowerPlex® Fusion 6C (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

8VRYEV — GlobalFiler™ (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

98EZFH — GlobalFiler™ Express (Item 2)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

TABLE 2

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

Item 2 - STR Results

9CUXZ4   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

9CY92G   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

9E2J7C   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

9HK7P6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

9V3JMQ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

9V4AXF   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

9XDGZ9   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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

A4RPVH	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

A7WCDT	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

AEGPW8	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

AFP4Y8	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

AG2649	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

AGFVND	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

AHAJ89	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

AJ8KG7 PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

AM4CJC GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 2

AX2JX9 GlobalFiler™ Express (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 2

AX6YDU PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

Item 2

AZWXP8 PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

B4AEWV PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

B9ZAGU Investigator® 24plex (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11				

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

BEBHNQ   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

BFZUG6   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

BHAFD3   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

BPQCXY   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

BUP8W7   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

C249X2   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

C3EFWM   PowerPlex® Fusion 6C Direct

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	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

C87Y8D — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

C8ACZF — GlobalFiler™ (STRmix v2.6)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

CFML6N — GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

CMFRPN — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

CNHYAA — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

CPMANK — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	NT
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	NT	NT	27.2,28.2	6,9	11,11
15,16	11	NT	NT	2	

CVEVUR — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

CWMK6B   GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

CX7UBB   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

D43MKC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

D43P9V   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

D7AAR4   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

D9UWQ4   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

DANKAY   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	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

DE7UPC   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

DGVQ6B   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

DJGCVC   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

DKAPGY   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

DKUC4M   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

DMWB8Z   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

DNBB62   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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

DW4JUY GlobalFiler™ (STRMix)

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

DYTFCK GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

DZRRJ2 GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

DZZPC6 PowerPlex® Fusion 6C

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

E4C2J6 GlobalFiler™, ForenSeq Signature Prep Primer Set B

2	12,17.3	17,23	11,15	14,15	11,13	12
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19	2	

E9PX8F GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

EF93ZF GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

EK9VAJ   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

ELZQYD   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 2

EN2F3Z   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

EN34LZ   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

Item: 2

ETJWVJ   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

EUXGH3   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

F2BPMB   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			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

F6BXPY	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
F6WE63	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
F73YT3	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
F9RLAR	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		
FCLQW4	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
FMMBYW	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
FNX9DD	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

FPQ994 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

FR9YWF — Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

FVLTKZ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

G32CCJ — PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

G3GZT8 — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

G3VM7F — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

G6R4GG — GlobalFiler™ Express

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

GBB9DX PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15 ^	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GCN9F6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

GEURH8 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

GFKEXB Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

GJL2NY PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GPD4W7 PowerPlex® Fusion 6C Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GQANJ6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

GRZPM8	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

GT7X88	PowerPlex® 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GTBUWP	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GU7PQ9	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

GZ4MQW	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

H3UMMC	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

H8PXJQ	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
HCEFX3	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11	17	19	2	
HDWQAV	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HQ4TD4	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HRWAKE	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HVA49X	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
HXH2ZU	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		
J9FJPM	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	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

J9Y6MJ	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JBR36C	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JDUBGU	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JE6WTW	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JQFFDC	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JQJZ6L	Investigator® 24plex QS					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JWAM8Z	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

JY9JEZ — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 2

K36W94 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

KA48PU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 2

KJAWMY — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

KJQBQ3 — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 2

KKPEMX — PowerPlex® Fusion

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13		6,9	11
15,16	11				

Item 2

KLXHAU — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	-
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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

KN7L7Q   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

KTDGJY   PowerPlex® Fusion 6C, Signature Prep Primer B, mtDNA

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	12
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

L2NTK4   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

L37NFC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

LGHFNB   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

LHXM97   GlobalFiler™ (GeneMapper ID-X 1.5)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

LM8X3L   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	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

LTTQEL PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

LU33PV GlobalFiler™ Express

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

LZRFT6 GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	-
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	-	-	27.2,28.2	6,9	11,11
	15,16	11	-	-	2	

ME9PY7 GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

MH6JQG GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

MH7A26 Identifiler® Plus

2		17,23		14,15	11,13	
	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

MKXAZ2 PowerPlex® 5C

2	12,17.3	17,23	11,15	14,15	11,13	--
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	--	6,9	11
	15,16	11	--	--	--	

TABLE 2

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

Item 2 - STR Results

MVYTHV PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,9	11
	15,16	11				

MWRQP3 GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

NBLFJD GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

NBP7JU GlobalFiler™

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

NFJDAB PowerPlex® Fusion 6C

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

NFYDTL PowerPlex® Fusion 6C

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

NHLXV6 Investigator® 24plex QS (STRmix)

2	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11				

TABLE 2

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

Item 2 - STR Results

NJLEA9   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

NKCYY8   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

NKQPLW   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

NKUC2P   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

NNEYZ6   Identifiler® Direct

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

NPN7ZC   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

P4Y6K4   Investigator® 24plex QS (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11				

TABLE 2

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

Item 2 - STR Results

P7QKC6	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
PAVH2Y	Investigator® 24plex GO!					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				
PDWJ2W	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
PGVMJN	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
PHKXAG	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		
PJH996	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
PKRL48	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

PNDV7Y PowerPlex® Fusion 6C Direct

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

PNNJ3Y GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11		2		

PWHEGW GlobalFiler™ Express

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11		2		

Q6ELJ3 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11		2		

Q7JBLC GlobalFiler™ (STRmix™)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11		2		

QCY6Z3 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11		2		

QD3ETE PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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

QEEDNM 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

QGRARK GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

QH7P6M GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

QLXKMF PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

QLZP2A PowerPlex® Fusion 6C Direct

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

QRNWKW GlobalFiler™, Signature Prep (primer set B), mtDNA whole genome

12,17.3	17,23	11,15	14,15	11,13	12
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19	2	

QRPMTZ Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

TABLE 2

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

Item 2 - STR Results

QTX4JJ — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

QZUYKN — PowerPlex® Fusion 6C (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

R3JKT6 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

R4JAQ9 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

RDJZWN — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

RGFLNQ — GlobalFiler™ Express (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

RPX7VX — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

TABLE 2

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

Item 2 - STR Results

RQQ444	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
RR6QYH	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
RV43VH	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
T3LVL8	PowerPlex® Fusion 6C Direct					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		
T47JLU	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
TAY7CE	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
TCHHCX	Investigator® 24plex QS					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11				

TABLE 2

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

Item 2 - STR Results

TD2ZEP — 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
	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

TDVCUJ — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

TDWMP8 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

TH9W26 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TNFY37 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

TNZ4JE — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TT9H84 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

TZ88QU   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			NR	

TZ9XYX   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

U2H7K3   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

U8QG3W   PowerPlex® Fusion 5C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13		6,9	11
15,16	11				

UC6GX4   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

UJXKYQ   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

UQP78J   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

UTT2P2	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

UW24CE	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

V47776	GlobalFiler™ Express					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

V4993G	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

VGRF2W	Identifiler® Plus					
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

VGUBE2	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

VL2THV	Identifiler® Plus					
		17,23		14,15	11,13	
2	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

TABLE 2

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

Item 2 - STR Results

VLZ3AR　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

VPKRU6　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

Item: 2

VTKK49　　GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 2

VTXRTG　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

Item: 2

VUCYCD　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

Item: 2

VUU7FA　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

Item: 2

VVBJKR　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 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 2 - STR Results

VVVERL — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

VXGHNR — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

VZMJKP — PowerPlex® 21 (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
12,17.3	17,23		14,15	11,13	12,12
10,12	11,13		17,18	8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26	12,14	7,13		6,9	11,11
15,16					

W38G92 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

W9TTJ3 — PowerPlex® Fusion 6C Direct (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

WEEAUL — GlobalFiler™ Express (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

X2QM2Y — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

X8DEBD	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

X8Q2PL	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

XAL4RA	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

XG3E8W	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

XJ7YR6	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

XJAD8Q	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

XLZTYR	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

XUUVPP   Investigator® 24plex GO! (TrueAllele)

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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

XYXQGC   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

YE8YW7   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

YPNNR6   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

YRGF2P   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Z2GMX2   GlobalFiler™ Express

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Z6HF7E   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 2 - STR Results

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
Z8QKPU	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	N/T
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	N/T	N/T	27.2,28.2	6,9	11,11
	15,16	11	N/T	N/T	2	
Z96NFK	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
Z9VDFM	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
ZC6YBK	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
ZFVUTD	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
ZGVB7G	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
ZJHNAT	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
2	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 2 - STR Results

ZJLDC6   PowerPlex® Fusion 6C

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 2

ZKTALU   NGM SElect

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
12,17.3	17,23	11,15	14,15		
	11,13	13,13	17,18		10,12
10,19	13,13	29,30	15,16	X,Y	
22,26			27.2,28.2	6,9	
15,16					

Item: 2

ZVHC8G   GlobalFiler™

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 2

ZVXBAZ   GlobalFiler™ (STRmix)

D1S1656/...	D2S1338/...	D2S441/...	D3S1358/...	D5S818/...	D6S1043/...
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			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 3 - STR Results

236F9B   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

24ZGAD   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	14,15,15.3,16,16.3,17.3	18,19,20,25,26	13,14	14,15,16,17	8,9,10,11,12	
	8,9,10,11	10,11,13,14	12,13,14,15	18,20,21,22,23	10,11,12,13	11,12,13
	14,15,16	13,14	28,29,30	11,14,15,16	X	9,10,11,12
	19,20,21,24,25,26			14,14.2,15,17,19,21.2,22,22.2	7,9,9.3	8,9,11
	15,16,17,18,19					

2CENCQ   Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3		19,20,25,26		15,16,17	9,11,12	
	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

2DR4UY   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

2E6XCJ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

2H4JBU   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	[12],13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

2NAETA   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

2Q2D9T   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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

2XZKKU   Investigator® 24plex QS (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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

2Z6VXX   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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	No Results			No Results	

32BRPF   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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,18.3,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

32GH2B   PowerPlex® 21 (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
3	15,15.3,16,17.3	19,20,25,26		15,16,17	9,11,12	12,20
	8,10,11	11,13,14		18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17		7,9,9.3	8,9,11
	16,17,19					

33MALB   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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

33RKLN   Investigator® 24plex

	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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

3734MW — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

37K8Y4 — PowerPlex® Fusion 6C (STRmix v. 2.8.0)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

3AREQW — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

3D69EG — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

3DLKWL — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

3EZVT6 — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	no results			no results	

Item: 3

3JC9VJ — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

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

3KT89G — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

3N47XA — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

3PXUG6 — GlobalFiler™ (STRmix v2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	No results			No results	

3PY4TG — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

3QHEL3 — Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

3TMBGJ — PowerPlex® 21 (STRmix 2.8.0)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26		15,16,17	9,11,12	12,20
8,10,11	11,13,14		18,21,23	11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26	9,10,13	7,13,16,17		7,9,9.3	8,9,11
16,17,19					

3URNHD — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

439V29 Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		19,20,25,26		15,16,17	9,11,12	
3	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

4DZBGP GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	NT
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	NT	NT	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NT	NT	NR	

4NJPKR GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

4PDD3N Investigator® 24plex QS (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

4PPCVC GlobalFiler™ (STRmix v2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

4PWQNK GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

4RFBCV GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

4V3A6X   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

624GQE   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,[15.3,16],17.3	19,20,25,26	[13],14	[15,16],17	[9],11,12	
	[8,10],11	11,13,[14]	13,[14,15]	18,21,[23]	[11],12,[13]	12,[13]
	14,[15,16]	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	[9],10,13	7,13,16,17		7,[9,9.3]	[8,9],11
	[16],17,[19]	NT				

63WFXK   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

6AKGJB   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

6BAC27   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

6BPTVY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

6DGNKT   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

TABLE 2

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

Item 3 - STR Results

6FNHHJ   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

6GYVDM   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

6NGVFX   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

6Q8ELK   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	-			-	

(Item 3)

6U66L6   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

6UL93H   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,[16]	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

(Item 3)

6V6CCH   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(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

6Z7GH2 GlobalFiler™ (STRmix 2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	no results			no results	

7BMYQ6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

7CG9JF GlobalFiler™ (Bullet Proof Sentry)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

7DXJ2Z GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

7FEKMT PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	(13),14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,(15)	18,21,23	11,12,(13)	12,(13)
	14,15,16	(13),14	29,30	11,15,16	X	10,12
	20,(21,24),26	9,10,13	7,13,16,17		7,(9),9.3	(8),9,11
	16,17,19	NA				

7G8HVZ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

7L6FLW GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

7Q3YLA   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	14,15,15.3,16,17.3	19,20,25,26	13,14	14,15,16,17	9,10,11,12	
3	8,10,11	10,11,12,13,14	12,13,14,15	18,20,21,22,23	10,11,12,13	11,12,13
	13,14,15,16	13,14	28,29,30	11,14,15,16	X	9,10,11,12
	19,20,21,23,24,25,26			14,15,16,17,18,19,21.2,22.2	7,9,9.3	8,9,11
	16,17,18,19					

7WVWJD   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		19,20,25,26		15,16,17	9,11,12	
3	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

82J7ZP   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

84QQ2R   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	No Results			No Results	

86JE7K   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,26	14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,24,26			15,17,19,22.2	7,9,9.3	9,11
	16,17,19					

89EMDV   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	-			-	

8AD4V6   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		19,20,25,26		15,16,17	9,11,12	
3	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

8APA83   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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NM			NM	

8CAEJ8   PowerPlex® Fusion 6C

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8GVGRJ   PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	9,11,12	
[8],10,11	11,13,14	13,14,[15]	[18],21,23	11,12,[13]	12,[13]
14,15,[16]	13,14	29,30	11,15,16	X	10,12
20,21,24,26	[9],10,13	7,13,16,17	15,17,19,22.2	7,[9],9.3	8,9,11
16,17,19	NID	NID	NID		

8KRTHV   Investigator® 24plex QS (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8MVPQD   GlobalFiler™

15,[15.3],[16],17.3	19,[20],25,26	[13],14	15,16,17	9,11,12	
[8],10,11	11,13,14	13,14,[15]	[18],21,23	11,12,[13]	12,[13]
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,[17],[19],22.2	7,[9],9.3	[8],9,11
16,17,19					

8QH6DR   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8QVNAH   Identifiler® Plus

	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
15,17,[18],19					

TABLE 2

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

Item 3 - STR Results

8TN3T8   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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8UHQC3   GlobalFiler™

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8UM447   Identifiler® Plus

3					
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

8UV3T2   PowerPlex® Fusion 6C

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

8VRYEV   GlobalFiler™ (STRmix)

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

9CUXZ4   PowerPlex® Fusion 6C

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

9CY92G   GlobalFiler™

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

9E2J7C — GlobalFiler™

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

9HK7P6 — GlobalFiler™

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

9V3JMQ — GlobalFiler™

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

9V4AXF — GlobalFiler™ (STRmix)

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

9XDGZ9 — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

A4RPVH — GlobalFiler™

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	9,11,12	
	[8],10,11	11,13,14	13,14,[15]	18,21,23	11,12,[13]	12,[13]
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,[9],[9.3]	8,9,11
	16,17,19	No Result			No Result	

A7WCDT — PowerPlex® Fusion 6C (STRmix)

Item	D1S1656...	D2S1338...	D2S441...	D3S1358...	D5S818...	D6S1043...
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

AEGPW8   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AFP4Y8   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AG2649   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AGFVND   GlobalFiler™   (BulletProof Sentry)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AHAJ89   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NM			NM	

AJ8KG7   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AM4CJC   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

AX2JX9   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AX6YDU   PowerPlex® Fusion 6C (STRmix v.2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

AZWXP8   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

B4AEWV   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

B9ZAGU   Investigator® 24plex (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,[15.3],[16],17.3	19,[20],[25],26	[13],14	15,16,17	9,11,12	
	[8],10,11	11,13,14	13,14,[15]	[18],21,[23]	11,12,[13]	12,[13]
	14,15,16	[13],14	29,30	11,15,16	X,X	10,12
	20,[21],[24],26			15,[17],[19],22.2	7,[9],9.3	[8],9,11
	16,17,19					

BEBHNQ   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	-			-	

BFZUG6   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14,15	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30,31	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

BHAFD3 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

BPQCXY GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NM			NM	

BUP8W7 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	10,11,12,13,14	12,13,14,15	18,20,21,23	11,12,13	11,12,13
	13,14,15,16	12,13,14	28,29,30	11,15,16	X	9,10,11,12
	20,21,24,25,26			15,16,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

C249X2 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

C3EFWM PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

C8ACZF GlobalFiler™ (STRmix v2.6)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

CFML6N GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

CMFRPN   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

CNHYAA   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

CPMANK   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	NT
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	NT	NT	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NT	NT	NR	

CVEVUR   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

CX7UBB   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

D43MKC   GlobalFiler™ (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

D43P9V   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

D7AAR4   GlobalFiler™ (STRmix)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
14,15,15.3,16,16.3,17.3	18,19,20,24,25,26	13,14	14,15,16,17	9,10,11,12,13	
8,9,10,11	10,11,12,13,14	12,13,14,15	18,20,21,22,23	10,11,12,13	11,12,13
13,14,15,16	12,13,14	28,29,30	11,14,15,16,17	X	9,10,11,12
19,20,21,23,24,25,26			14,14.2,15,16,17,18,19,21.2,22.2	7,9,9.3	8,9,11
15,16,17,18,19					

D9UWQ4   PowerPlex® Fusion 6C (STRmix)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DANKAY   PowerPlex® Fusion 6C (STRmix)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DE7UPC   PowerPlex® Fusion 6C   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,[15.3],[16],17.3	19,[20],[25],26	[13],14	15,16,[17]	9,11,[12]	
[8],10,11	11,[13],14	13,14,[15]	[18],21,23	11,12,[13]	12,[13]
[14],15,16	[13],14	29,30	11,15,[16]	X	10,12
20,[21],[24],26	[9],10,13	[7],13,16,[17]	15,[17],[19],22.2	7,[9],9.3	[8],9,11
16,[17],19					

DGVQ6B   PowerPlex® Fusion 6C (STRMIX)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DJGCVC   PowerPlex® Fusion 6C (STRmix)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	[9],11,12	
8,10,11	11,13,[14]	13,14,[15]	18,21,23	11,12,[13]	12,[13]
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	[9],10,13	7,13,16,17	15,17,19,22.2	7,[9],9.3	[8],[9],11
16,17,19	NID	NID	NID		

DKAPGY   PowerPlex® Fusion 6C (STRmix)   Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

DKUC4M   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DMWB8Z   GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,[13]
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DNBB62   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DW4JUY   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

DYTFCK   (STRMIX)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

DZRRJ2   Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

DZZPC6   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

E4C2J6	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NR	NR		
E9PX8F	GlobalFiler™ (STRmix)					
	15,15.3,16,17.3	19,20,25,26	14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12
	14,15,16	14	29,30	11,15,16	X,X	10,12
	20,24,26			15,17,19,22.2	7,9,9.3	9,11
	16,17,19					
EF93ZF	GlobalFiler™ (STRmix)					
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	N/R			N/R	
EK9VAJ	PowerPlex® Fusion 6C (STRmix)					
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					
ELZQYD	PowerPlex® Fusion 6C					
	15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	9,11,12	
3	[8],10,11	11,13,14	13,[14],[15]	18,21,23	11,12,[13]	12,[13]
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,[24],26	9,10,13	7,13,16,17	15,17,19,22.2	7,[9],[9.3]	[8],9,11
	16,17,19	NID	NID	NID		
EN2F3Z	PowerPlex® Fusion 6C					
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					
EN34LZ	GlobalFiler™					
	15,[15.3],[16],17.3	19,[20],[25],26	[13],14	15,16,[17]	9,11,[12]	
3	[8],10,11	11,[13],14	13,[14],[15]	[18],21,23	11,12,[13]	12,[13]
	[14],15,16	[13],14	29,30	11,15,[16]	X,X	10,12
	20,[21],[24],26			15,[17],[19],22.2	7,[9],9.3	[8],9,11
	16,[17],19	NR			NR	

TABLE 2

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

Item 3 - STR Results

ETJWVJ   PowerPlex® Fusion 6C

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

EUXGH3   PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

F2BPMB   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

F6BXPY   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

F6WE63   GlobalFiler™ (STRmix v2.5)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

F73YT3   GlobalFiler™ (STRmix v2.5)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

F9RLAR   PowerPlex® Fusion 6C (STRmix v2.8)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

FCLQW4   GlobalFiler™ (STRmix v 2.4.06)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

FMMBYW   GlobalFiler™ (STRMix)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

FNX9DD   GlobalFiler™ (STRmix 2.4)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	11,12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	no results			no results	

FPQ994   GlobalFiler™ (STRmix)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

FR9YWF   Investigator® 24plex QS (STRmix)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

FVLTKZ   GlobalFiler™ (STRmix)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

G32CCJ   PowerPlex® Fusion 6C (STR mix)

3	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

G3GZT8   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NR	NR		

G3VM7F   GlobalFiler™ (STRmix v. 2.4.06)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

G6R4GG   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

GBB9DX   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20^,25,26^	13,14	15,16,17	9,11,12	
	8,10,11	11^,13,14	13,14,15	18^,21,23^	11,12,13	12,13^
	14,15^,16^	13,14	29,30	11,15,16	X	10,12
	20^,21^,24^,26^	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NR	NR		

GCN9F6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

GEURH8   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

GFKEXB   Identifiler®

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3		19,20,25,26		15,16,17	9,11,12	
	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

GJL2NY   PowerPlex® Fusion 6C (STRmix)

D1S1656 / etc	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

GPD4W7   PowerPlex® Fusion 6C (STRMix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

GQANJ6   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

(Item 3)

GT7X88   PowerPlex® 6C

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24 ^,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR	NR	NR		

(Item 3)

GTBUWP   PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

GZ4MQW   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

H3UMMC   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(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

H8PXJQ — PowerPlex® Fusion 6C

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

HCEFX3 — GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

HDWQAV — GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

HQ4TD4 — GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

HRWAKE — GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

HVA49X — GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

HXH2ZU — PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

J9FJPM PowerPlex® Fusion 6C (STRmix v2.8)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

J9Y6MJ GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9.3	8,9,11
16,17,19	-			-	

JBR36C GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

JDUBGU GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

JE6WTW GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

JQFFDC GlobalFiler™

15,17.3	19,26	14	15,16	9,11	
10,11	11,14	13,14	21,23	11,12	12
15,16	14	29,30	11,15	X	10,12
20,26			15,22.2	7,9.3	9,11
16,19	No Results			No Results	

JQJZ6L Investigator® 24plex QS (STRmix 2.9.1)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

JWAM8Z   GlobalFiler™ (STRmix v2.5)   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

JY9JEZ   GlobalFiler™   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

K36W94   PowerPlex® Fusion 6C   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR	NR	NR		

KA48PU   GlobalFiler™ (STRmix)   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

KJAWMY   PowerPlex® Fusion 6C   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

KJQBQ3   GlobalFiler™ (STRmix)   Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

KKPEMX   PowerPlex® Fusion   Item 3

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
15,15.3,[16],17.3	19,[20,25],26	[13],14	[15],16,17	[9],11,12	
[8,10],11	[11],13,[14]	13,[14,15]	[18],21,[23]	[11],12,[13]	12,[13]
14,15,[16]	13,14	29,30	[11,15],16	X	10,12
20,21,24,26	9,10,13	7,13,16,[17]		7,[9,9.3]	[8,9],11
[16],17,[19]	NT				

TABLE 2

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

KLXHAU   PowerPlex® Fusion 6C

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	-
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	-	-	-	-	

KN7L7Q   PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

KTDGJY   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

L2NTK4   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

L37NFC   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

LGHFNB   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

LHXM97   GlobalFiler™ (GeneMapper ID-X 1.5)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

LM8X3L 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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

LTTQEL PowerPlex® Fusion 6C (STRmix 2.8)

3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

LU33PV GlobalFiler™ (STRmix)

3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

LZRFT6 GlobalFiler™

3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	-
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	-	-	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	-	-	-	-	

ME9PY7 GlobalFiler™ (STRmix v. 2.4)

3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	no results			no results	

MH6JQG GlobalFiler™ (STRmix v2.4.06)

3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	No results			No results	

MH7A26 Identifiler® Plus

3		19,20,25,26		15,16,17	9,11,12	
	8,10,11	11,13,14			11,12,13	12,13
	14,15,16	13,14	29,30		X,X	10,12
	20,21,24,26				7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

MKXAZ2 PowerPlex® 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	--
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	--	7,9,9.3	8,9,11
	16,17,19	--	--	--	--	

MVYTHV PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,[16],17.3	[19,20,25],26	[13],14	15,16,17	9,[11],12	
	[8],10,11	11,13,14	13,[14,15]	[18],21,[23]	[11],12,[13]	12,[13]
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,[21],24,26	[9],10,13	7,13,16,17		7,[9,9.3]	[8],9,11
	16,17,19	NT				

MWRQP3 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

NBP7JU GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

NFJDAB PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

NFYDTL PowerPlex® Fusion 6C (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

NJLEA9 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

NKCYY8 GlobalFiler™ (STRmix v2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	ND			ND	

NKQPLW GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

NKUC2P GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,[15.3,16],17.3	19,[20,25],26	[13],14	15,16,[17]	9,11,12	
[8],10,11	11,13,14	13,14,[15]	[18],21,23	11,12,[13]	12,[13]
14,15,16	[13],14	29,30	11,15,16	X	10,12
20,[21,24],26			15,[17,19],22.2	7,[9],9.3	[8],9,11
16,17,19					

NNEYZ6 Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

NPN7ZC GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

P4Y6K4 Investigator® 24plex QS (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

P7QKC6 GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

PAVH2Y Investigator® 24plex QS

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR				

(Item 3)

PDWJ2W GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

PGVMJN Identifiler® Plus (STRmix v.2.7.0)

	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

(Item 3)

PHKXAG PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

PJH996 GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

PKRL48 GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(Item 3)

PNDV7Y PowerPlex® Fusion 6C (STRMix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

(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

PNNJ3Y   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

PWHEGW   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	-			-	

Q6ELJ3   GlobalFiler™ (STRmix v 2.4)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	no results			no results	

Q7JBLC   GlobalFiler™ (STRmix™)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	-			-	

QCY6Z3   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

QD3ETE   PowerPlex® Fusion 6C (STRMix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

QEEDNM   PowerPlex® Fusion 6C (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

QGRARK — 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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

QH7P6M — Identifiler® Plus, MiniFiler

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
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

QLXKMF — 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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

QLZP2A — 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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

QRPMTZ — 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
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

QTX4JJ — 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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NM			NM	

QZUYKN — 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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

R3JKT6 — GlobalFiler™ (STRmix) — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

R4JAQ9 — GlobalFiler™ — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

RDJZWN — PowerPlex® Fusion 6C — Item 3

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
15,15.3^,16^,17.3	19,20^,25,26	13,14	15,16,17^	9,11,12	
8^,10,11	11,13,14	13,14,15^	18^,21,23	11,12,13^	12
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21^,24^,26	9^,10,13	7^,13,16,17^	15,17^,19^,22.2	7,9^,9.3	8,9,11
16,17,19	NR	NR	NR		

RGFLNQ — GlobalFiler™ (STRmix) — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

RQQ444 — GlobalFiler™ (STRmix) — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

RR6QYH — GlobalFiler™ (STRmix) — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

RV43VH — GlobalFiler™ (STRmix) — Item 3

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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

TABLE 2

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

Item 3 - STR Results

T3LVL8　　PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

T47JLU　　GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,[15.3],[16],17.3	19,[20],[25],[26]	[13],14	15,16,17	9,11,12	
[8],[10],11	11,13,14	13,[14],[15]	[18],21,23	11,12,[13]	12,[13]
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,[21],[24],26			15,17,19,22.2	7,[9],[9.3]	[8],[9],11
16,17,19	NR			NR	

Item: 3

TCHHCX　　GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

TD2ZEP　　Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

Item: 3

TDVCUJ　　PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

TDWMP8　　PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

TH9W26　　GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	ND			ND	

Item: 3

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 3 - STR Results

TNFY37 — PowerPlex® Fusion 6C (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

TNZ4JE — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

TT9H84 — GlobalFiler™ (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

TZ88QU — GlobalFiler™ — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,[15.3],[16],17.3	19,[20],[25],26	[13],14	15,16,[17]	9,11,[12]	
[8],10,11	11,[13],14	13,14,[15]	[18],21,23	11,12,[13]	12,[13]
14,15,16	[13],14	29,30	11,15,[16]	X,X	10,12
20,[21],[24],26			15,[17],[19],22.2	7,[9],9.3	[8],9,11
16,17,19	NR			NR	

U2H7K3 — GlobalFiler™ (STRmix v2.5.11) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

U8QG3W — PowerPlex® Fusion 5C (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17		7,9,9.3	8,9,11
16,17,19					

UC6GX4 — GlobalFiler™ (STRmix) — Item 3

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

UJXKYQ   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
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

UQP78J   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

UTT2P2   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

UW24CE   GlobalFiler™ (STRmix)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11,12	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

V47776   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30,31	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

V4993G   GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	9,11
16,17,19	NR			NR	

VGRF2W   Identifiler® Plus

	19,20,25,26		15,16,17	9,11,12	
8,10,11	11,13,14			11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26				7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

VGUBE2   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

VL2THV   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		19,(20),(25),26		15,16,(17)	9,11,(12)	
3	(8),10,11	11,(13),14			11,12,(13)	12,12,(13)
	(14),15,16	(13),14,14	29,30		X,X	10,12
	20,(21),(24),26				7,(9),9.3	9,11
	16,(17),19					

VLZ3AR   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

VPKRU6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

VTKK49   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

VTXRTG   PowerPlex® Fusion 6C (STRmix v2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

VUCYCD   GlobalFiler™ (STRmix 2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
3	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	No Results			No Results	

TABLE 2

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

Item 3 - STR Results

VUU7FA PowerPlex® Fusion 6C (STRmix v. 2.8)

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

VVBJKR GlobalFiler™

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

VVVERL GlobalFiler™

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

VZMJKP PowerPlex® 21 (STRmix v2.7)

3					
15,15.3,16,17.3	19,20,25,26		15,16,17	9,11,12	12,20
8,10,11	11,13,14		18,21,23	11,12,13	12,13
14,15,16	13,14	29,30		X,X	10,12
20,21,24,26	9,10,13	7,13,16,17		7,9,9.3	8,9,11
16,17,19					

W38G92 GlobalFiler™ (STRmix)

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

W9TTJ3 PowerPlex® Fusion 6C (STRmix)

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

WEEAUL GlobalFiler™ (STRmix)

3					
15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3 - STR Results

X2QM2Y   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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

X8DEBD   GlobalFiler™

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

X8Q2PL   GlobalFiler™

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

XAL4RA   GlobalFiler™ (STRmix)

Item						
3	14,15,15.3,16,16.3, 17.3	19,20,25,26	13,14	14,15,16,17	9,10,11,12	
	8,9,10,11	10,11,12,13,14	12,13,14,15	18,20,21,22,23	10,11,12,13	11,12,13
	13,14,15,16	12,13,14	28,29,30	11,14,15,16	X	9,10,11,12
	19,20,21,24,25,26			14,15,17,18,19,21.2, 22.2	7,9,9.3	8,9,11
	15,16,17,18,19					

XG3E8W   GlobalFiler™

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

XJ7YR6   GlobalFiler™ (STRmix v2.4.06)

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	No results			No results	

XJAD8Q   GlobalFiler™ (STRmix)

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

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 3 - STR Results

XLZTYR 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
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR			NR	

XUUVPP Investigator® 24plex QS (TrueAllele)

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	no result				

XYXQGC PowerPlex® Fusion 6C (STRmix V. 2.8)

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

YE8YW7 PowerPlex® Fusion 6C

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

YPNNR6 GlobalFiler™ (STRmix V2.4.06)

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	no results			no results	

YRGF2P GlobalFiler™

Item						
3	15,15.3,16,17	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

Z2GMX2 GlobalFiler™, MiniFiler

Item						
3	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	-			-	

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 3 - STR Results

Z6HF7E GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Z8QKPU GlobalFiler™

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	N/T
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26	N/T	N/T	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	N/R	N/T	N/T	N/R	

Z96NFK GlobalFiler™ (STRmix v2.5)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

Z9VDFM GlobalFiler™ (Bulletproof Sentry)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X,X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

ZC6YBK GlobalFiler™ (STRmix v2.5)

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19	NR			NR	

ZFVUTD GlobalFiler™

15,15.3,16,17.3	19,20,25,26	[13],14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,[15]	18,21,23	11,12,[13]	12,[13]
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

ZGVB7G GlobalFiler™ (STRmix)

14,15,15.3,16,17.3	18,19,20,24,25,26	13,14	14,15,16,17	9,10,11,12	
8,10,11	10,11,12,13,14	12,13,14,15	18,20,21,22,23	10,11,12,13	11,12,13
13,14,15,16	12,13,14	29,30	11,15,16	X	10,11,12
19,20,21,23,24,25,26			14,15,16,17,18,19,21.2,22.2	7,9,9.3	8,9,11
16,17,18,19					

TABLE 2

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

Item 3 - STR Results

**ZJHNAT	GlobalFiler™**

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

**ZJLDC6	PowerPlex® Fusion 6C (STRmix)**

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

**ZKTALU	NGM SElect**

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17		
	11,13,14	13,14,15	18,21,23		12,13
14,15,16	13,14	29,30	11,15,16	X,X	
20,21,24,26			15,17,19,22.2	7,9,9.3	
16,17,19					

Item: 3

**ZVHC8G	GlobalFiler™**

15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

Item: 3

**ZVXBAZ	GlobalFiler™ (STRmix)**

15,15.3,16,17.3	19,20,26	13,14	15,16,17	9,11,12	
10,11	11,13,14	13,14	18,21,23	11,12,13	12,13
14,15,16	13,14	29,30	11,15,16	X	10,12
20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
16,17,19					

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 3e - STR Results

NHLXV6 — 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
3e	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X,X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19					

QRNWKW — PowerPlex® Fusion 6C, Signature Prep (primer set B), mtDNA whole genome (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
3e	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26	9,10,13	7,13,16,17	15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR	NR	NR		

TAY7CE — 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
3e	15,15.3,16,17.3	19,20,25,26	13,14	15,16,17	9,11,12	
	8,10,11	11,13,14	13,14,15	18,21,23	11,12,13	12,13
	14,15,16	13,14	29,30	11,15,16	X	10,12
	20,21,24,26			15,17,19,22.2	7,9,9.3	8,9,11
	16,17,19	NR		NR		

TABLE 2

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

Item 3sp - STR Results

NHLXV6   GlobalFiler™ (STRmix)

3sp

QRNWKW   PowerPlex® Fusion 6C, Signature Prep (primer set B), mtDNA whole genome (STRmix)

3sp

TAY7CE   GlobalFiler™ (STRmix)

NR	NR	NR	NR	NR	
NR	NR	NR	NR	NR	NR
NR	NR	NR	NR	NR	NR
NR			NR	NR	NR
NR	NR			NR	

TABLE 2

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

Item 4 - STR Results

236F9B   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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

24ZGAD   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

2CENCQ   Identifiler®

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

2DR4UY   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

2E6XCJ   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

2H4JBU   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

2NAETA   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

2Q2D9T GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 4

2XZKKU Investigator® 24plex QS

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

Item: 4

2Z6VXX GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item: 4

32BRPF PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 4

32GH2B PowerPlex® 21

12,17.3	17,23		14,15	11,13	12,12
10,12	11,13		17,18	8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26	12,14	7,13		6,9	11,11
15,16					

Item: 4

33MALB PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 4

33RKLN Investigator® 24plex

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

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

3734MW — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

37K8Y4 — PowerPlex® Fusion 6C

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

3AREQW — GlobalFiler™ (STRmix)

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

3D69EG — PowerPlex® Fusion 6C

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

3DLKWL — GlobalFiler™

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3EZVT6 — GlobalFiler™ (STRmix 2.4)

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3JC9VJ — Identifiler® Plus

4		17,23		14,15	11,13	
	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

TABLE 2

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

Item 4 - STR Results

3KT89G   GlobalFiler™ (STRmix v2.5)

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3N47XA   GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3PXUG6   GlobalFiler™ (STRmix v2.4)

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3PY4TG   GlobalFiler™ (STRmix v2.5)

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

3QHEL3   Investigator® 24plex QS

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

3TMBGJ   PowerPlex® 21 (STRmix 2.8.0)

4						
	12,17.3	17,23		14,15	11,13	12,12
	10,12	11,13		17,18	8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26	12,14	7,13		6,9	11,11
	15,16					

3URNHD   PowerPlex® Fusion 6C

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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 4 - STR Results

439V29　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
	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

4DZBGP　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
12,17.3	17,23	11,15	14,15	11,13	NT
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	NT	NT	27.2,28.2	6,9	11,11
15,16	11	NT	NT	2	

4NJPKR　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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

4PDD3N　Investigator® 24plex QS

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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11				

4PPCVC　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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

4PWQNK　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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

4RFBCV　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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			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

4V3A6X   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

624GQE   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,[9]	11
	15,16	11				

63WFXK   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

6AKGJB   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

6BAC27   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

6BPTVY   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

6DGNKT   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

6FNHHJ   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6GYVDM   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6NGVFX   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6Q8ELK   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

6U66L6   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

6UL93H   GlobalFiler™

15,[15.3],16,17.3	19,20,[25],26	[13],14	15,16,17	9,11,12	
[8],[10],11	11,13,14	13,[14],[15]	[18],21,23	11,12,[13]	12,[13]
14,15,[16]	13,14	29,30	11,[15],16	X,X	10,12
20,21,[24],26			15,17,[19],22.2	7,[9],9.3	[8],[9],11
16,17,19	NR			NR	

6V6CCH   PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	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 4 - STR Results

6Z7GH2   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

7BMYQ6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7CG9JF   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7DXJ2Z   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

7FEKMT   PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,9	11
	15,16	11				

7G8HVZ   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

7L6FLW   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

7Q3YLA — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	13,14,15	10,11,12,13	
4	10,11,12	10,11,12,13	12,13	17,18	8,11	10,12
	10,18,19	12,13	28,29,30	14,15,16	X,Y	10,11,12
	22,26			26.2,27.2,28.2	6,9	11
	15,16	11			2	

7WVWJD — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
4	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

82J7ZP — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

84QQ2R — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

86JE7K — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

89EMDV — GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

8AD4V6 — Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
4	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

TABLE 2

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

Item 4 - STR Results

8APA83   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

8CAEJ8   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

8GVGRJ   PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

8KRTHV   Investigator® 24plex QS

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

8MVPQD   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

8QH6DR   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

8QVNAH   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
		17,23		14,15	11,13	
4	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

TABLE 2

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

Item 4 - STR Results

8TN3T8　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

(Item 4)

8UHQC3　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

(Item 4)

8UM447　　Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

(Item 4)

8UV3T2　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

(Item 4)

8VRYEV　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

(Item 4)

9CUXZ4　　PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

(Item 4)

9CY92G　　GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			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

9E2J7C — GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

9HK7P6 — GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

9V3JMQ — GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

9V4AXF — GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

9XDGZ9 — PowerPlex® Fusion 6C

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

A4RPVH — GlobalFiler™

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

A7WCDT — PowerPlex® Fusion 6C

4						
	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	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 4 - STR Results

AEGPW8 GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 4 = 4

AFP4Y8 PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 4 = 4

AG2649 PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 4 = 4

AGFVND GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 4 = 4

AHAJ89 GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 4 = 4

AJ8KG7 PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item 4 = 4

AM4CJC GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Item 4 = 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

AX2JX9 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

AX6YDU PowerPlex® Fusion 6C (STRmix v.2.8)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

AZWXP8 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

B4AEWV PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

B9ZAGU Investigator® 24plex (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11				

BEBHNQ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

BFZUG6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

BHAFD3   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

BPQCXY   GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

BUP8W7   GlobalFiler™ (STRmix)

	11,12,16.3,17.3	17,23	10,11,14,15	13,14,15	10,11,12,13	
4	9,10,11,12	10,11,12,13	12,13	16,17,18	8,10,11	10,11,12
	9,10,18,19	12,13	28,29,30	14,15,16	X,Y	10,11,12
	21,22,25,26			26.2,27.2,28.2	6,9	11
	14,15,16	11			2	

C249X2   GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

C3EFWM   PowerPlex® Fusion 6C (STRmix)

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

C8ACZF   GlobalFiler™ (STRmix v2.6)

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

CFML6N   GlobalFiler™

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

CMFRPN	GlobalFiler™					
	12,17.3	17,23	10,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

CNHYAA	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

CPMANK	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	NT
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	NT	NT	27.2,28.2	6,9	11,11
	15,16	11	NT	NT	2	

CVEVUR	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

CX7UBB	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

D43MKC	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

D43P9V	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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 4 - STR Results

D7AAR4   GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
11,12,16.3,17.3,18.3	17,22,23	10,11,14,15	13,14,15	10,11,12,13	
9,10,11,12	10,11,12,13	12,13	16,17,18	8,10,11	9,10,11,12
9,10,18,19	12,13	28,29,30	14,15,16	X,Y	10,11,12
21,22,25,26			26.2,27,27.2,28,28.2	6,9	11
14,15,16	10,11			2	

Item: 4

D9UWQ4   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 4

DANKAY   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

Item: 4

DE7UPC   PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

Item: 4

DGVQ6B   PowerPlex® Fusion 6C (STRMIX)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 4

DJGCVC   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

Item: 4

DKAPGY   PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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

DKUC4M   GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

DMWB8Z   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

DNBB62   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

DW4JUY   GlobalFiler™ (STRMix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

DYTFCK

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

DZRRJ2   Identifiler® Plus

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4		17,23		14,15	11,13	
	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

DZZPC6   PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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 4 - STR Results

E4C2J6 — PowerPlex® Fusion 6C, ForenSeq Signature Prep Primer Set B

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	12
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

E9PX8F — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

EF93ZF — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

EK9VAJ — PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

ELZQYD — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

EN2F3Z — PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

EN34LZ — GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

ETJWVJ — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

EUXGH3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

F2BPMB — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

F6BXPY — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

F6WE63 — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

F73YT3 — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

F9RLAR — PowerPlex® Fusion 6C (STRmix v2.8)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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 4 - STR Results

FCLQW4 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

FMMBYW — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

FNX9DD — GlobalFiler™ (STRmix 2.4) (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

FPQ994 — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

FR9YWF — Investigator® 24plex QS (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

FVLTKZ — 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

G32CCJ — PowerPlex® Fusion 6C (STR mix) (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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	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 4 - STR Results

**G3GZT8	PowerPlex® Fusion 6C**

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

**G3VM7F	GlobalFiler™ (STRmix V. 2.4.06)**

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

**G6R4GG	GlobalFiler™ (STRmix)**

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

**GBB9DX	PowerPlex® Fusion 6C**

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

**GCN9F6	GlobalFiler™ Plus**

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

**GEURH8	GlobalFiler™ (STRmix)**

	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

**GFKEXB	Identifiler®**

		17,23		14,15	11,13	
4	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					

TABLE 2

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

Item 4 - STR Results

GJL2NY — 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
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GPD4W7 — PowerPlex® Fusion 6C (STRMix)

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GQANJ6 — GlobalFiler™

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

GT7X88 — PowerPlex® 6C

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GTBUWP — PowerPlex® Fusion 6C

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

GZ4MQW — GlobalFiler™

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

H3UMMC — GlobalFiler™

4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			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

WebCode / 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
H8PXJQ — PowerPlex® Fusion 6C						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		
HCEFX3 — GlobalFiler™						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11	17	19	2	
HDWQAV — GlobalFiler™						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HQ4TD4 — GlobalFiler™						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HRWAKE — GlobalFiler™						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
HVA49X — GlobalFiler™						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
HXH2ZU — PowerPlex® Fusion 6C (STRmix)						
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	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 4 - STR Results

J9FJPM	PowerPlex® Fusion 6C					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

J9Y6MJ	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JBR36C	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JDUBGU	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JE6WTW	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JQFFDC	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

JQJZ6L	Investigator® 24plex QS					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

TABLE 2

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

Item 4 - STR Results

JWAM8Z — GlobalFiler™ (STRmix v2.5) 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
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

JY9JEZ — GlobalFiler™ Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

K36W94 — PowerPlex® Fusion 6C Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

KA48PU — GlobalFiler™ Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

KJAWMY — PowerPlex® Fusion 6C Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

KJQBQ3 — Investigator® 24plex Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

KKPEMX — PowerPlex® Fusion Item 4

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13		6,9	11
15,16	11				

TABLE 2

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

Item 4 - STR Results

KLXHAU   PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	-
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19	-	

KN7L7Q   PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

KTDGJY   GlobalFiler™, Signature Prep Primer B, mtDNA

12,17.3	17,23	11,15	14,15	11,13	12
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19	2	

L2NTK4   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

L37NFC   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

LGHFNB   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

LHXM97   GlobalFiler™ (GeneMapper ID-X 1.5)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

LM8X3L PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

LTTQEL PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

LU33PV GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

LZRFT6 GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	-
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	-	-	27.2,28.2	6,9	11,11
15,16	11	-	-	2	

ME9PY7 GlobalFiler™ (STRmix v. 2.4)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

MH6JQG GlobalFiler™ (STRmix v2.4.06)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

MH7A26 Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

TABLE 2

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

Item 4 - STR Results

MKXAZ2 — PowerPlex® 5C

12,17.3	17,23	11,15	14,15	11,13	--
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	--	6,9	11
15,16	11	--	--	--	

MVYTHV — PowerPlex® Fusion 5C

12,17.3	17,[23]	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13		6,9	11
15,16	11				

MWRQP3 — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

NBP7JU — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

NFJDAB — PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

NFYDTL — PowerPlex® Fusion 6C (STRMix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

NJLEA9 — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

NKCYY8	GlobalFiler™ (STRmix v2.4)					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
NKQPLW	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
NKUC2P	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
NNEYZ6	Identifiler® Plus					
		17,23		14,15	11,13	
4	10,12	11,13			8,11	10,12
	10,19	13,13	29,30		X,Y	11,12
	22,26				6,9	11,11
	15,16					
NPN7ZC	GlobalFiler™ (STRmix)					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	
P4Y6K4	Investigator® 24plex QS					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	
P7QKC6	GlobalFiler™					
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

PAVH2Y — Investigator® 24plex QS

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11				

PDWJ2W — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

PGVMJN — Identifiler® Plus

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

PHKXAG — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

PJH996 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

PKRL48 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

PNDV7Y — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	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 4 - STR Results

PNNJ3Y GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

PWHEGW GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

Q6ELJ3 GlobalFiler™ (STRmix v 2.4)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

Q7JBLC GlobalFiler™ (STRmix™)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

QCY6Z3 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

QD3ETE PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

QEEDNM PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	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 4 - STR Results

QGRARK — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

QH7P6M — Identifiler® Plus, MiniFiler

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

QLXKMF — PowerPlex® Fuison 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

QLZP2A — PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

QRNWKW — GlobalFiler™, Signature Prep (primer set B), mtDNA whole genome

12,17.3	17,23	11,15	14,15	11,13	12
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19	2	

QRPMTZ — Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

QTX4JJ — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

QZUYKN PowerPlex® Fusion 6C (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

R3JKT6 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

R4JAQ9 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

RDJZWN PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

RGFLNQ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

RQQ444 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

RR6QYH GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

RV43VH — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

T3LVL8 — PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

T47JLU — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TAY7CE — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TCHHCX — GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TD2ZEP — Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

TDVCUJ — PowerPlex® Fusion 6C

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	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 4 - STR Results

TDWMP8   PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

TH9W26   GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TNFY37   PowerPlex® Fusion 6C (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

TNZ4JE   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TT9H84   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TZ88QU   GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

U2H7K3   GlobalFiler™ (STRmix v2.5.11)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

U8QG3W PowerPlex® Fusion 5C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13		6,9	11
	15,16	11				

UC6GX4 GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

UJXKYQ GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

UQP78J GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

UTT2P2 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

UW24CE GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

V47776 GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

V4993G GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

VGRF2W Identifiler® Plus

	17,23		14,15	11,13	
10,12	11,13			8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26				6,9	11,11
15,16					

VGUBE2 GlobalFiler™ (STRmix)

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

VL2THV Identifiler® Plus

	17,23		14,15,(17),(18)	11,(12),13	
10,12	11,13,(15)			8,11	10,12
10,19	13,13	29,30		X,Y	(10),11,12
22,26				6,9,(9.3)	11,11
15,16					

VLZ3AR GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

VPKRU6 GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

VTKK49 GlobalFiler™

12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			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

VTXRTG — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

(Item 4)

VUCYCD — GlobalFiler™ (STRmix 2.4)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

(Item 4)

VUU7FA — PowerPlex® Fusion 6C

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11,11
15,16	11	17	19		

(Item 4)

VVBJKR — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

(Item 4)

VVVERL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

(Item 4)

VZMJKP — PowerPlex® 21

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23		14,15	11,13	12,12
10,12	11,13		17,18	8,11	10,12
10,19	13,13	29,30		X,Y	11,12
22,26	12,14	7,13		6,9	11,11
15,16					

(Item 4)

W38G92 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			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

W9TTJ3 — PowerPlex® Fusion 6C (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26	12,14	7,13	27.2,28.2	6,9	11
15,16	11	17	19		

WEEAUL — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

X2QM2Y — GlobalFiler™ (STRmix)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

X8DEBD — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

X8Q2PL — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

XAL4RA — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

XG3E8W — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

	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

XJ7YR6 — GlobalFiler™ (STRmix v2.4.06)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

XJAD8Q — GlobalFiler™

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

XLZTYR — GlobalFiler™ (STRmix)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

XUUVPP — Investigator® 24plex QS

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11				

XYXQGC — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

YE8YW7 — PowerPlex® Fusion 6C

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11,11
	15,16	11	17	19		

YPNNR6 — GlobalFiler™ (STRmix V2.4.06)

Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	12,17.3	17,23	11,15	14,15	11,13	
4	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4 - STR Results

YRGF2P — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Z2GMX2 — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Z6HF7E — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

Z8QKPU — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	N/T
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26	N/T	N/T	27.2,28.2	6,9	11,11
15,16	11	N/T	N/T	2	

Z96NFK — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

Z9VDFM — GlobalFiler™

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13	17,18	8,11	10,12
10,19	13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11
15,16	11			2	

ZC6YBK — GlobalFiler™ (STRmix v2.5)

D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
12,17.3	17,23	11,15	14,15	11,13	
10,12	11,13	13,13	17,18	8,11	10,12
10,19	13,13	29,30	15,16	X,Y	11,12
22,26			27.2,28.2	6,9	11,11
15,16	11			2	

TABLE 2

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

Item 4 - STR Results

ZFVUTD GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

ZGVB7G GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	11,12,16.3,17.3	16,17,22,23	10,11,14,15	13,14,15	10,11,12,13,14	
	9,10,11,12	10,11,12,13	12,13	16,17,18	8,10,11	9,10,11,12
	9,10,18,19	12,13	28,29,30	14,15,16,17	X,Y	10,11,12
	21,22,25,26			26.2,27.2,28.2	6,9	10,11
	14,15,16	10,11			2	

ZJHNAT GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

ZJLDC6 PowerPlex® Fusion 6C

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26	12,14	7,13	27.2,28.2	6,9	11
	15,16	11	17	19		

ZKTALU NGM SElect

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15		
		11,13	13,13	17,18		10,12
	10,19	13,13	29,30	15,16	X,Y	
	22,26			27.2,28.2	6,9	
	15,16					

ZVHC8G GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

ZVXBAZ GlobalFiler™ (STRmix)

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13	17,18	8,11	10,12
	10,19	13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11
	15,16	11			2	

TABLE 2

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

Item 4e - STR Results

NHLXV6   GlobalFiler™

	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
4e	12,17.3	17,23	11,15	14,15	11,13	
	10,12	11,13	13,13	17,18	8,11	10,12
	10,19	13,13	29,30	15,16	X,Y	11,12
	22,26			27.2,28.2	6,9	11,11
	15,16	11			2	

TABLE 2

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

Item 4sp - STR Results

NHLXV6   GlobalFiler™

4sp

YSTR Amplification Kit(s) & Results

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 1 - YSTR Results

C87Y8D — 1 — Yfiler™

E4C2J6 — 1 — ForenSeq Signature Prep Primer Set B

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
NR	NR	NR	NR	NR	NR	NR	NR	
NR	NR	NR	NR				NR	NR
	NR	NR	NR	NR		NR	NR	NR

KLXHAU — 1 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

KTDGJY — 1 — Signature Prep Primer B

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
NR	NR	NR	NR	NR	NR	NR	NR	
NR	NR	NR	NR				NR	NR
	NR	NR	NR	NR		NR	NR	NR

LZRFT6 — 1 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

MKXAZ2 — 1 — PowerPlex® Y 23

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

P4Y6K4 — 1

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
38								

QRNWKW — 1 — Signature Prep (Primer set B)

DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
NR	NR	NR	NR	NR	NR	NR	NR	
NR	NR	NR	NR				NR	NR
	NR	NR	NR	NR		NR	NR	NR

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	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
2E6XCJ — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
2H4JBU — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
2Q2D9T — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
32GH2B — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
3734MW — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
3JC9VJ — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
3QHEL3 — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
3URNHD — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
4NJPKR — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
4PDD3N — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
4RFBCV — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
6BPTVY — Yfiler™									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

TABLE 3

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

Item 2 - YSTR Results

WebCode	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
6FNHHJ	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
6Q8ELK	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
6Z7GH2	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
73Z9LK	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
7WVWJD	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
86JE7K	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
89EMDV	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
8AD4V6	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
8APA83	Yfiler™								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
8KRTHV	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
8UM447	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
8UV3T2	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	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

Item 2 - YSTR Results

9E2J7C — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

9HK7P6 — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

9V3JMQ — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

9XDGZ9 — 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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	11

A4RPVH — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

AHAJ89 — Yfiler™

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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

AJ8KG7 — 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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	11

AZWXP8 — 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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	11

B9ZAGU — Yfiler™

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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

BEBHNQ — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

BHAFD3 — 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
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

BPQCXY — Yfiler™

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
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

TABLE 3

WebCode	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
Item	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
C249X2 — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
C87Y8D — Yfiler™									
2		14	11,15	13	29	24	11	13	13
	15	>12	11	19		16	17		
							23		11
CMFRPN — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
CNHYAA — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
CX7UBB — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
D43P9V — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
DE7UPC — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
DW4JUY — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
DZRRJ2 — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
E4C2J6 — PowerPlex® Y 23, ForenSeq Signature Prep Primer Set B									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17	11	21
		14	11	17	19		23	11	11
F2BPMB — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
F6BXPY — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

TABLE 3

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

Item 2 - YSTR Results

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
FPQ994 — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
GCN9F6 — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
GEURH8 — Yfiler™									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
GQANJ6 — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
H3UMMC — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
HCEFX3 — Yfiler™ Plus, PowerPlex® Y 23									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14	11	17	19	20	23	11	11
HQ4TD4 — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
HRWAKE — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
J9Y6MJ — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
JDUBGU — Yfiler™ Plus									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
JQJZ6L — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
KJAWMY — PowerPlex® Y 23									
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11

TABLE 3

WebCode — Amplification Kit

Item 2 - YSTR Results

WebCode / Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
KKPEMX 2 — PowerPlex® Y 23									
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
KLXHAU 2 — PowerPlex® Y 23									
	-	14	11,15	13	29	24	11	13	13
	15	13	11	19	-	16	17	-	21
	-	14	11	17	19	-	23	11	11
KTDGJY 2 — PowerPlex® Y 23, Signature Prep Primer B									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17	11	21
		14	11	17	19		23	11	11
L2NTK4 2 — Yfiler™ Plus									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
LHXM97 2 — Yfiler™ Plus									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
LQD8L6 2 — PowerPlex® Y 23									
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
LZRFT6 2 — PowerPlex® Y 23									
	-	14	11,15	13	29	24	11	13	13
	15	13	11	19	-	16	17	-	21
	-	14	11	17	19	-	23	11	11
MKXAZ2 2 — PowerPlex® Y 23									
	--	14	11,15	13	29	24	11	13	13
	15	13	11	19	--	16	17	--	21
	--	14	11	17	19	--	23	11	11
NBP7JU 2 — Yfiler™ Plus									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
NJLEA9 2 — Yfiler™ Plus									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
NKQPLW 2 — Yfiler™ Plus									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
NPN7ZC 2 — YFP									
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		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

P4Y6K4 — 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
P4Y6K4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
P7QKC6 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
PDWJ2W — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
PJH996 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
Q7JBLC — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
QCY6Z3 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
QEEDNM — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
QH7P6M — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
QRNWKW — PowerPlex® Y 23, Signature Prep (primer set B)	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17	11	21
		14	11	17	19		23	11	11
QTX4JJ — Yfiler™		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
QZUYKN — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
RDPQ8X — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	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

WebCode/Item									
TCHHCX	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
UQP78J	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
UTT2P2	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
UW24CE	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
V4993G	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
VPKRU6	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
VTXRTG	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
VVBJKR	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
VZMJKP	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
X8Q2PL	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
XG3E8W	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
YRGF2P	PowerPlex® Y 23								
2		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	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

Z2GMX2	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

Z6HF7E									
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

ZJHNAT	Yfiler™ Plus								
2	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

TABLE 3

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

Item 3 - YSTR Results

6Q8ELK	Yfiler™ Plus								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-		-	-	-	-		-
CMFRPN	Yfiler™ Plus								
3									
KLXHAU	PowerPlex® Y 23								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
LZRFT6	PowerPlex® Y 23								
3	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
MKXAZ2	PowerPlex® Y 23								
3	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--
	--	--	--	--	--	--	--	--	--

TABLE 3

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

Item 4 - YSTR Results

WebCode / Item	col1	col2	col3	col4	col5	col6	col7	col8	col9
2CENCQ	Yfiler™								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
2E6XCJ	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
2H4JBU	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
2Q2D9T	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
32GH2B	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
3734MW	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
3JC9VJ	PowerPlex® Y 23								
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
3QHEL3	PowerPlex® Y 23								
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
3URNHD	PowerPlex® Y 23								
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
4NJPKR	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
4PDD3N	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
4RFBCV	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		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 4 - YSTR Results

6BPTVY — Yfiler™

4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

6FNHHJ — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

6Q8ELK — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

6Z7GH2 — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

73Z9LK — PowerPlex® Y 23

4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11

7WVWJD — PowerPlex® Y 23

4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11

86JE7K — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

89EMDV — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

8AD4V6 — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

8APA83 — Yfiler™

4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

8KRTHV — PowerPlex® Y 23

4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11

8QVNAH — Yfiler™ Plus

4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		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 / YGATHA4

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 / YGATHA4
8UM447 — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
8UV3T2 — 4 — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
9E2J7C — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
9HK7P6 — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
9V3JMQ — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
9XDGZ9 — 4 — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
A4RPVH — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
AHAJ89 — 4 — Yfiler™		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
AJ8KG7 — 4 — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
AZWXP8 — 4 — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
B9ZAGU — 4 — Yfiler™		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
BEBHNQ — 4 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

TABLE 3

Amplification Kit / WebCode / Item — 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
BHAFD3 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
BPQCXY — Yfiler™		14	11,15	13	29	24	11	13	13
4	15	13	11	19		16	17		
							23		11
C249X2 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
CMFRPN — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
CNHYAA — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
CX7UBB — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
D43P9V — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
4	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
DE7UPC — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
DW4JUY — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
DZRRJ2 — Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
E4C2J6 — PowerPlex® Y 23, ForenSeq Signature Prep Primer Set B	35,36	14	11,15	13	29	24	11	13	13
4	15	13	11	19		16	17	11	21
		14	11	17	19		23	11	11
F2BPMB — PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
4	15	13	11	19		16	17		21
		14	11	17	19		23	11	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 / Kit	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
F6BXPY — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
FPQ994 — PowerPlex® Y 23									
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
GCN9F6 — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
GEURH8 — Yfiler™									
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11
GFKEXB									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
GQANJ6 — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
H3UMMC — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
HCEFX3 — Yfiler™ Plus, PowerPlex® Y 23									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14	11	17	19	20	23	11	11
HQ4TD4 — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
HRWAKE — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
J9Y6MJ — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
JDUBGU — Yfiler™ Plus									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

TABLE 3

Item 4 - YSTR Results

Header loci (three tiers per column):

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
JQJZ6L 4	PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
		15	13	11	19		16	17		21
			14	11	17	19		23	11	11
KJAWMY 4	PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
		15	13	11	19		16	17		21
			14	11	17	19		23	11	11
KLXHAU 4	PowerPlex® Y 23	-	14	11,15	13	29	24	11	13	13
		15	13	11	19	-	16	17	-	21
		-	14	11	17	19	-	23	11	11
KTDGJY 4	PowerPlex® Y 23, Signature Prep Primer B	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19		16	17	11	21
			14	11	17	19		23	11	11
L2NTK4 4	Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19	29	16	17	11	21
		38	14		17	19	20	23		11
LHXM97 4	Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19	29	16	17	11	21
		38	14		17	19	20	23		11
LQD8L6 4	PowerPlex® Y 23		14	11,15	13	29	24	11	13	13
		15	13	11	19		16	17		21
			14	11	17	19		23	11	11
LZRFT6 4	PowerPlex® Y 23	-	14	11,15	13	29	24	11	13	13
		15	13	11	19	-	16	17	-	21
		-	14	11	17	19	-	23	11	11
MH7A26 4	Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19	29	16	17	11	21
		38	14		17	19	20	23		11
MKXAZ2 4		--	14	11,15	13	29	24	11	13	13
		15	13	11	19	--	16	17	--	21
		--	14	11	17	19	--	23	11	11
NBP7JU 4	Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19	29	16	17	11	21
		38	14		17	19	20	23		11
NJLEA9 4	Yfiler™ Plus	35,36	14	11,15	13	29	24	11	13	13
		15	13	11	19	29	16	17	11	21
		38	14		17	19	20	23		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

NKQPLW — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4		14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449	DYS456 **16**	DYS458 **17**	DYS460	DYS481 **21**
	DYS518	DYS533 **14**	DYS549 **11**	DYS570 **17**	DYS576 **19**	DYS627	DYS635 **23**	DYS643 **11**	YGATAH4 **11**

NPN7ZC — YFP

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

P4Y6K4 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

P7QKC6 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

PDWJ2W — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

PJH996 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

Q7JBLC — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

QCY6Z3 — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

QEEDNM — PowerPlex® Y 23

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4		14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449	DYS456 **16**	DYS458 **17**	DYS460	DYS481 **21**
	DYS518	DYS533 **14**	DYS549 **11**	DYS570 **17**	DYS576 **19**	DYS627	DYS635 **23**	DYS643 **11**	YGATAH4 **11**

QH7P6M — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **11**

QRNWKW — PowerPlex® Y 23, Signature Prep (primer set B)

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518	DYS533 **14**	DYS549 **11**	DYS570 **17**	DYS576 **19**	DYS627	DYS635 **23**	DYS643 **11**	YGATAH4 **11**

QRPMTZ — Yfiler™ Plus

Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
4	35,36	14	11,15	13	29	24	11	13	13
	DYS437 **15**	DYS438 **13**	DYS439 **11**	DYS448 **19**	DYS449 **29**	DYS456 **16**	DYS458 **17**	DYS460 **11**	DYS481 **21**
	DYS518 **38**	DYS533 **14**	DYS549	DYS570 **17**	DYS576 **19**	DYS627 **20**	DYS635 **23**	DYS643	YGATAH4 **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 4 - YSTR Results

QTX4JJ — Yfiler™ — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		
							23		11

QZUYKN — PowerPlex® Y 23 — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	11

RDPQ8X — PowerPlex® Y 23 — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	11

TCHHCX — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

UQP78J — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

UTT2P2 — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

UW24CE — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

V4993G — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

VGRF2W — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

VL2THV — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

VPKRU6 — Yfiler™ Plus — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

VTXRTG — PowerPlex® Y 23 — Item 4

	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
	14	11		17	19		23	11	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

Item									
VVBJKR	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
VZMJKP	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
X8Q2PL	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
XG3E8W	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
YRGF2P	PowerPlex® Y 23								
4		14	11,15	13	29	24	11	13	13
	15	13	11	19		16	17		21
		14	11	17	19		23	11	11
Z2GMX2	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
Z6HF7E									
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11
ZJHNAT	Yfiler™ Plus								
4	35,36	14	11,15	13	29	24	11	13	13
	15	13	11	19	29	16	17	11	21
	38	14		17	19	20	23		11

Additional DNA Results

TABLE 4

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

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
150	E4C2J6		T				T		
	KTDGJY		T				T		
	QRNWKW		T				T		
16093	E4C2J6	C							
	KTDGJY	C							
	QRNWKW	C							
16224	E4C2J6	C							
	KTDGJY	C							
	QRNWKW	C							
16258	E4C2J6	G							
	KTDGJY	G							
	QRNWKW	G							
16270	E4C2J6		T				T		
	KTDGJY		T				T		
	QRNWKW		T				T		
16311	E4C2J6	C							
	KTDGJY	C							
	QRNWKW	C							
263	E4C2J6	G	G				G		
	KTDGJY	G	G				G		
	QRNWKW	G	G				G		
315.1	E4C2J6	C	C				C		
	KTDGJY	C	C				C		
	QRNWKW	C	C				C		
73	E4C2J6	G	G				G		
	KTDGJY	G	G				G		
	QRNWKW	G	G				G		

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
D17S1301	E4C2J6	12	11				11		
	KTDGJY	12	11				11		
	QRNWKW	12	11				11		
D20S482	E4C2J6	14	15				15		
	KTDGJY	14	15				15		
	QRNWKW	14	15				15		
D4S2408	E4C2J6	8,10	9,10				9,10		
	KTDGJY	8,10	9,10				9,10		
	QRNWKW	8,10	9,10				9,10		
D9S1122	E4C2J6	11	10,13				10,13		
	KTDGJY	11	10,13				10,13		
	QRNWKW	11	10,13				10,13		
DXS10074	E4C2J6	17	18				18		
	KTDGJY	17	18				18		
	QRNWKW	17	18				18		
DXS10103	E4C2J6	17,21	18				18		
	KTDGJY	17,21	18				18		
	QRNWKW	17,21	18				18		
DXS10135	E4C2J6	21,24	18.1				18.1		
	KTDGJY	21,24	18.1				18.1		
	QRNWKW	21,24	18.1				18.1		
DXS7132	E4C2J6	12,13	12				12		
	KTDGJY	12,13	12				12		
	QRNWKW	12,13	12				12		
DXS7423	E4C2J6	14,15	16				16		
	KTDGJY	14,15	16				16		
	QRNWKW	14,15	16				16		
DXS8378	E4C2J6	10	11				11		
	KTDGJY	10	11				11		

TABLE 4

Locus	WebCode	Item 1	Item 2	Item 3	Item 3e	Item 3sp	Item 4	Item 4e	Item 4sp
DXS8378 cont'd	QRNWKW	10	11				11		
DYS505	E4C2J6	NR	12				12		
	KTDGJY	NR	12				12		
	QRNWKW	NR	12				12		
DYS522	E4C2J6	NR	11				11		
	KTDGJY	NR	11				11		
	QRNWKW	NR	11				11		
DYS612	E4C2J6	NR	31				31		
	KTDGJY	NR	31				31		
	QRNWKW	NR	31				31		
HLADQA1	7CG9JF	2,2	2,3				Inconclusive		
HPRTB	E4C2J6	13,15	13				13		
	KTDGJY	13,15	13				13		
	QRNWKW	13,15	13				13		
QS1	NHLXV6	Q	Q						
	P4Y6K4	Q	Q	Q			Q		
	TCHHCX	Q	Q						
QS2	NHLXV6	S	S						
	P4Y6K4	S	S	S			S		
	TCHHCX	S	S						

DNA Interpretations

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

TABLE 5

WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4	WebCode	Victim (Item 1) Item 3	Item 4	Suspect (Item 2) Item 3	Item 4
236F9B	Yes	No	No	Yes	3PXUG6	Yes	No	No	Yes
24ZGAD	Yes	No	No	Yes	3PY4TG	Yes	No	No	Yes
2CENCQ	Yes	No	No	Yes	3QHEL3	Yes	No	No	Yes
2DR4UY	Yes	No	No	Yes	3TMBGJ	Yes	No	No	Yes
2E6XCJ	Yes	No	No	Yes	3URNHD	Yes	No	No	Yes
2H4JBU	Yes	No	No	Yes	439V29	Yes	No	No	Yes
2NAETA	Yes	No	No	Yes	4DZBGP	Yes	No	No	Yes
2Q2D9T	Yes	No	No	Yes	4NJPKR	Yes	No	No	Yes
2XZKKU	Yes	No	No	Yes	4PDD3N	Yes	No	No	Yes
2Z6VXX	Yes	No	No	Yes	4PPCVC	Yes	No	No	Yes
32BRPF	Yes	No	No	Yes	4PWQNK	Yes	No	No	Yes
32GH2B	Yes	No	No	Yes	4RFBCV	Yes	No	No	Yes
33MALB	Yes	No	No	Yes	4V3A6X	Yes	No	No	Yes
33RKLN	Yes	No	No	Yes	624GQE	Yes	No	No	Yes
3734MW	Yes	No	No	Yes	63WFXK	Yes	No	No	Yes
37K8Y4	Yes	No	No	Yes	6AKGJB	Yes	No	No	Yes
3AREQW	Yes	No	No	Yes	6BAC27	Yes	No	No	Yes
3D69EG	Yes	No	No	Yes	6BPTVY	Yes	No	No	Yes
3DLKWL	Yes	No	No	Yes	6DGNKT	Yes	No	No	Yes
3EZVT6	Yes	No	No	Yes	6FNHHJ	Yes	No	No	Yes
3JC9VJ	Yes	No	No	Yes	6GYVDM	Yes	No	No	Yes
3KT89G	Yes	No	No	Yes	6NGVFX	Yes	No	No	Yes
3N47XA	Yes	No	No	Yes	6Q8ELK	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
6U66L6	Yes	No	No	Yes	8QVNAH	Yes	No	No	Yes
6UL93H	No	Yes	Yes	No	8TN3T8	Yes	No	No	Yes
6V6CCH	Yes	No	No	Yes	8UHQC3	Yes	No	No	Yes
6Z7GH2	Yes	No	No	Yes	8UM447	Yes	No	No	Yes
73Z9LK	No Interp	No Interp	No Interp	Yes	8UV3T2	Yes	No	No	Yes
7BMYQ6	Yes	No	No	Yes	8VRYEV	Yes	No	No	Yes
7CG9JF	Yes	No	No	Yes	98EZFH	No Interpretations Reported, DNA Analyzed for Database purposes only.			
7DXJ2Z	Yes	No	No	Yes					
7FEKMT	Yes	No	No	Yes	9CUXZ4	Yes	No	No	Yes
7G8HVZ	Yes	No	No	Yes	9CY92G	Yes	No	No	Yes
					9E2J7C	Yes	No	No	Yes
7J6J8J	No Interpretations Reported, DNA Analyzed for Database purposes only.				9HK7P6	Yes	No	No	Yes
7L6FLW	Yes	No	No	Yes	9V3JMQ	Yes	No	No	Yes
7Q3YLA	Yes	No	No	Yes	9V4AXF	Yes	No	No	Yes
7WVWJD	Yes	No	No	Yes	9XDGZ9	Yes	No	No	Yes
82J7ZP	Yes	No	No	Yes	A4RPVH	Yes	No	No	Yes
84QQ2R	Yes	No	No	Yes	A7WCDT	No Interp	No Interp	No Interp	No Interp
86JE7K	Yes	No	No	Yes	AEGPW8	Yes	No	No	Yes
89EMDV	Yes	No	No	Yes	AFP4Y8	Yes	No	No	Yes
8AD4V6	Yes	No	No	Yes	AG2649	Yes	No	No	Yes
8APA83	Yes	No	No	Yes	AGFVND	Yes	No	No	Yes
8CAEJ8	Yes	No	No	Yes	AHAJ89	Yes	No	No	Yes
8GVGRJ	Yes	No	No	Yes	AJ8KG7	Yes	No	No	Yes
8KRTHV	Yes	No	No	Yes	AM4CJC	Yes	No	No	Yes
8MVPQD	Yes	No	No	Yes	AX2JX9	Yes	No	No	Yes
8QH6DR	Yes	No	No	Yes	AX6YDU	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
AZWXP8	Yes	No	No	Yes	DGVQ6B	Yes	No	No	Yes
B4AEWV	Yes	No	No	Yes	DJGCVC	Yes	No	No	Yes
B9ZAGU	Yes	No	No	Yes	DKAPGY	Yes	No	No	Yes
BEBHNQ	Yes	No	No	Yes	DKUC4M	Yes	No	No	Yes
BFZUG6	Yes	No	No	Yes	DMWB8Z	Yes	No	No	Yes
BHAFD3	Yes	No	No	Yes	DNBB62	Yes	No	No	Yes
BPQCXY	Yes	No	No	Yes	DW4JUY	Yes	No	No	Yes
BUP8W7	Yes	No	No	Yes	DYTFCK	Yes	No	No	Yes
C249X2	Yes	No	No	Yes	DZRRJ2	Yes	No	No	Yes
C3EFWM	Yes	No	No	Yes	DZZPC6	Yes	No	No	Yes
C87Y8D	No Interpretations Reported, DNA Analyzed for Database purposes only.				E4C2J6	Yes	No	No	Yes
C8ACZF	Yes	No	No	Yes	E9PX8F	Yes	No	No	Yes
CFML6N	Yes	No	No	Yes	EF93ZF	Yes	No	No	Yes
CMFRPN	Yes	No	No	Yes	EK9VAJ	Yes	No	No	Yes
CNHYAA	Yes	No	No	Yes	ELZQYD	Yes	No	No	Yes
CPMANK	Yes	No	No	Yes	EN2F3Z	Yes	No	No	Yes
CVEVUR	Yes	No	No	Yes	EN34LZ	Yes	No	No	Yes
CWMK6B	No Interpretations Reported, DNA Analyzed for Database purposes only.				ETJWVJ	Yes	No	No	Yes
CX7UBB	Yes	No	No	Yes	EUXGH3	Yes	No	No	Yes
D43MKC	Yes	No	No	Yes	F2BPMB	Yes	No	No	Yes
D43P9V	Yes	No	No	Yes	F6BXPY	Yes	No	No	Yes
D7AAR4	Yes	No	No	Yes	F6WE63	Yes	No	No	Yes
D9UWQ4	Yes	No	No	Yes	F73YT3	Yes	No	No	Yes
DANKAY	Yes	No	No	Yes	F9RLAR	Yes	No	No	Yes
DE7UPC	Yes	No	No	Yes	FCLQW4	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
FMMBYW	Yes	No	No	Yes	HQ4TD4	Yes	No	No	Yes
FNX9DD	Yes	No	No	Yes	HRWAKE	Yes	No	No	Yes
FPQ994	Yes	No	No	Yes	HVA49X	Yes	No	No	Yes
FR9YWF	Yes	No	No	Yes	HXH2ZU	Yes	No	No	Yes
FVLTKZ	Yes	No	No	Yes	J9FJPM	Yes	No	No	Yes
G32CCJ	Yes	No	No	Yes	J9Y6MJ	Yes	No	No	Yes
G3GZT8	Yes	No	No	Yes	JBR36C	Yes	No	No	Yes
G3VM7F	Yes	No	No	Yes	JDUBGU	Yes	No	No	Yes
G6R4GG	Yes	No	No	Yes	JE6WTW	Yes	No	No	Yes
GBB9DX	Yes	No	No	Yes	JQFFDC	No	No	No	Yes
GCN9F6	Yes	No	No	Yes	JQJZ6L	Yes	No	No	Yes
GEURH8	Yes	No	No	Yes	JWAM8Z	Yes	No	No	Yes
GFKEXB	Yes	No	No	Yes	JY9JEZ	Yes	No	No	Yes
GJL2NY	Yes	No	No	Yes	K36W94	Yes	No	No	Yes
GPD4W7	Yes	No	No	Yes	KA48PU	Yes	No	No	Yes
GQANJ6	Yes	No	No	Yes	KJAWMY	Yes	No	No	Yes
GRZPM8	No Interp	No Interp	No Interp	No Interp	KJQBQ3	Yes	No	No	Yes
GT7X88	Yes	No	No	Yes	KKPEMX	Yes	No	No	Yes
GTBUWP	Yes	No	No	Yes	KLXHAU	Yes	No	No	Yes
GU7PQ9	No Interpretations Reported, DNA Analyzed for Database purposes only.				KN7L7Q	Yes	No	No	Yes
GZ4MQW	Yes	No	No	Yes	KTDGJY	Yes	No	No	Yes
H3UMMC	Yes	No	No	Yes	L2NTK4	Yes	No	No	Yes
H8PXJQ	Yes	No	No	Yes	L37NFC	Yes	No	No	Yes
HCEFX3	Yes	No	No	Yes	LGHFNB	Yes	No	No	Yes
HDWQAV	Yes	No	No	Yes	LHXM97	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
LM8X3L	Yes	No	No	Yes	PDWJ2W	Yes	No	No	Yes
LQD8L6	No Interp	No Interp	No Interp	Yes	PGVMJN	Yes	No	No	Yes
LTTQEL	Yes	No	No	Yes	PHKXAG	Yes	No	No	Yes
LU33PV	Yes	No	No	Yes	PJH996	Yes	No	No	Yes
LZRFT6	Yes	No	No	Yes	PKRL48	Yes	No	No	Yes
ME9PY7	Yes	No	No	Yes	PNDV7Y	Yes	No	No	Yes
MH6JQG	Yes	No	No	Yes	PNNJ3Y	Yes	No	No	Yes
MH7A26	Yes	No	No	Yes	PWHEGW	Yes	No	No	Yes
MKXAZ2	Yes	No	No	Yes	Q6ELJ3	Yes	No	No	Yes
MVYTHV	Yes	No	No	Yes	Q7JBLC	Yes	No	No	Yes
MWRQP3	Yes	No	No	Yes	QCY6Z3	Yes	No	No	Yes
NBLFJD					QD3ETE	Yes	No	No	Yes
NBP7JU	Yes	No	No	Yes	QEEDNM	Yes	No	No	Yes
NFJDAB	Yes	No	No	Yes	QGRARK	Yes	No	No	Yes
NFYDTL	Yes	No	No	Yes	QH7P6M	Yes	No	No	Yes
NHLXV6	Yes	No	No	Yes	QLXKMF	Yes	No	No	Yes
NJLEA9	Yes	No	No	Yes	QLZP2A	Yes	No	No	Yes
NKCYY8	Yes	No	No	Yes	QRNWKW	Yes	No	No	Yes
NKQPLW	Yes	No	No	Yes	QRPMTZ	Yes	No	No	Yes
NKUC2P	Yes	No	No	Yes	QTX4JJ	Yes	No	No	Yes
NNEYZ6	Yes	No	No	Yes	QZUYKN	Yes	No	No	Yes
NPN7ZC	Yes	No	No	Yes	R3JKT6	Yes	No	No	Yes
P4Y6K4	Yes	No	No	Yes	R4JAQ9	Yes	No	No	Yes
P7QKC6	Yes	No	No	Yes	RDJZWN	Yes	No	No	Yes
PAVH2Y	Yes	No	No	Yes	RDPQ8X	No Interp	No Interp	No Interp	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
RGFLNQ	Yes	No	No	Yes	V47776	Yes	No	No	Yes
RPX7VX	No Interpretations Reported, DNA Analyzed for Database purposes only.				V4993G	Yes	No	No	Yes
RQQ444	Yes	No	No	Yes	VGRF2W	Yes	No	No	Yes
RR6QYH	Yes	No	No	Yes	VGUBE2	Yes	No	No	Yes
RV43VH	Yes	No	No	Yes	VL2THV	Yes	No	No	Yes
T3LVL8	Yes	No	No	Yes	VLZ3AR	Yes	No	No	Yes
T47JLU	Yes	No	No	Yes	VPKRU6	Yes	No	No	Yes
TAY7CE	Yes	No	No	Yes	VTKK49	Yes	No	No	Yes
TCHHCX	Yes	No	No	Yes	VTXRTG	Yes	No	No	Yes
TD2ZEP	Yes	No	No	Yes	VUCYCD	Yes	No	No	Yes
TDVCUJ	Yes	No	No	Yes	VUU7FA	Yes	No	No	Yes
TDWMP8	Yes	No	No	Yes	VVBJKR	Yes	No	No	Yes
TH9W26	Yes	No	No	Yes	VVVERL	Yes	No	No	Yes
TNFY37	Yes	No	No	Yes	VXGHNR	No Interpretations Reported, DNA Analyzed for Database purposes only.			
TNZ4JE	Yes	No	No	Yes	VZMJKP	Yes	No	No	Yes
TT9H84	Yes	No	No	Yes	W38G92	Yes	No	No	Yes
TZ88QU	Yes	No	No	Yes	W9TTJ3	Yes	No	No	Yes
TZ9XYX	No Interpretations Reported, DNA Analyzed for Database purposes only.				WEEAUL	Yes	No	No	Yes
U2H7K3	Yes	No	No	Yes	X2QM2Y	Yes	No	No	Yes
U8QG3W	Yes	No	No	Yes	X8DEBD	Yes	No	No	Yes
UC6GX4	Yes	No	No	Yes	X8Q2PL	No Interp	No Interp	No Interp	No Interp
UJXKYQ	Yes	No	No	Yes	XAL4RA	Yes	No	No	Yes
UQP78J	Yes	No	No	Yes	XG3E8W	Yes	No	No	Yes
UTT2P2	Yes	No	No	Yes	XJ7YR6	Yes	No	No	Yes
UW24CE	Yes	No	No	Yes	XJAD8Q	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
XLZTYR	Yes	No	No	Yes					
XUUVPP	Yes	No	No	Yes					
XYXQGC	Yes	No	No	Yes					
YE8YW7	Yes	No	No	Yes					
YPNNR6	Yes	No	No	Yes					
YRGF2P	Yes	No	No	Yes					
Z2GMX2	No Interp	No Interp	No Interp	No Interp					
Z6HF7E	Yes	No	No	Yes					
Z8QKPU	Yes	No	No	Yes					
Z96NFK	Yes	No	No	Yes					
Z9VDFM	Yes	No	No	Yes					
ZC6YBK	Yes	No	No	Yes					
ZFVUTD	Yes	No	No	Yes					
ZGVB7G	Yes	No	No	Yes					
ZJHNAT	Yes	No	No	Yes					
ZJLDC6	Yes	No	No	Yes					
ZKTALU	Yes	No	No	Yes					
ZVHC8G	Yes	No	No	Yes					
ZVXBAZ	Yes	No	No	Yes					

DNA Interpretation

Response Summary   **Participants reporting DNA results: 315**

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	**297**	**1**	**1**	**301**
No	**2**	**298**	**298**	**1**
Inc	**0**	**0**	**0**	**0**
No Interpretation	**7**	**7**	**7**	**4**
No Response	**1**	**1**	**1**	**1**

Participants analyzing DNA for database purposes only: 8

(237)

Additional Comments

TABLE 6

WebCode	Additional Comments
2DR4UY	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.
2E6XCJ	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.
2H4JBU	The '12' allele reported at D10S1248 for Item '3' is defined per laboratory protocol as additional data not impacting the interpretation of results for the profile.
2Q2D9T	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.
2XZKKU	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
2Z6VXX	Item 3: AP test was inconclusive due to substrate color.
32GH2B	NB: High stutter recorded for item 3 - FGA allele25 (within max observed laboratory data). Item 3 statistical evaluation: LR for victim: >100 billion in favor of inclusion. LR for suspect: 0 (excluded).
3AREQW	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.
3DLKWL	STRmix stutter filters on
3KT89G	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.
3N47XA	Reporting with stutter filters on
3PY4TG	NR=No results. This laboratory does not generate an allele table for the evidence sample results. Therefore this procedure is used only for reporting results for this proficiency test. Evidence results were interpreted using a probabilistic genotyping approach. With probabilistic genotyping analysis, peaks in stutter position are considered as either allelic or stutter during the de-convolution of samples. This sometimes results in true stutter peaks reported as possible alleles, which would not affect the overall interpretation of the results.
3QHEL3	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
3TMBGJ	Item 4 CTS 22-5706 - elevated stutter@D21[28] noted
439V29	Inclusion and exclusion are based the mixed DNA profiling results obtained from item 3 and the DNA profile obtained from item 4. No mixture resolution or statistical analysis was performed.
4DZBGP	NR = No Result. NT = Not tested.

TABLE 6

WebCode	Additional Comments
4NJPKR	NR = No Result
4PPCVC	Item 2 (known blood from male suspect) had dropout on first amplification. Second amplification with higher cycle number produced profile with increased dropout. Second sample of item was removed and amplified at highest cycle available with successful results. Note that sample size collected initially was consistent with sampling for casework for a stain card and should be expected to produce a full profile on first amplification.
4PWQNK	Used swab to collect portion of stain from item 3 as 3-1, swab consumed; used swab to collect portion of stain from item 4 as 4-1, swab consumed. Items reported as 3-1 and 4-1; data reported as 3 and 4 in CTS documents.
4V3A6X	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.
6BAC27	reporting with stutter filters on
6DGNKT	NR = no results
6GYVDM	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.
6UL93H	NR - No results
6V6CCH	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.
7KEKCQ	Item 1-4 RSID Semen testing was inconclusive due to a failed control
82J7ZP	The results reported for Items 3 and 4 were generated using probabilistic genotyping. All alleles deemed possible for any contributor are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in stutter peaks being reported as allelic. Per laboratory protocol the Y-STR markers (DYS391, DYS570 and DYS576) are not used for interpretation other than to determine if at least one male contributor is present. Therefore, for these loci all peaks above the analytical threshold, stutter or allelic, will be reported. Laboratory policy allows for analyst discretion, based upon training and experience, in the selection of screening tests being performed.

TABLE 6

WebCode	Additional Comments
86JE7K	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 at D19S433, 12. Additionally, the probabilistic genotyping software, during interpretation, considered several stutter alleles as true alleles which were consistent with the Victim further supporting the interpretation: Item 3 at D2S441, 13; FGA, 21; D2S1338, 25.
8APA83	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. Quantitation: -Item 3 and Item 4 were quantified using Quantifiler Trio Quantification Kit via QS5 system. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express on ProFlex PCR system. -Item 3 and Item 4 were amplified using GlobalFiler on 9700 GeneAmp PCR system. -Item 2 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -All electrophoresis were carried out using Genetic Analyzer 3500xL. Quality Control: -Reagent blank, Positive Control and Negative Control carried out throughout the analysis all gave intended results. -NM: Non-male profile.
8GVGRJ	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used to calculate the following propositions: Item 3: Interpretation - 1sU_1sU. Stat - 1sU_UU. Item 4: Interpretation - 2s_2s. Stat - 2s_U. Per FBU policy, STRmix would not be run on items 3 and 4 as items are from the victim (1s) and suspect (2s). Stats run for PT purposes only. NID = No Interpretable Data. PowerPlex Y23 sample processing was conducted on Items 2 and 4. Y-STR analysis and interpretation was not conducted on items 2 and 4. Modified Rapid DNA Analysis was conducted on Item 1.
8KRTHV	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
8QH6DR	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.
8UM447	YFiler Plus results not used for interpretation.
9CY92G	Item 4: one low-level allele at D19S433 (11 allele) struck as an artifact as possible N-8 stutter; not included in profile table.
9E2J7C	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/have been modeled as stutter probabilistically during interpretation at the following locus/loci: Q3 (stain from victim's shirt (blue)) D19S433 (12).
9HK7P6	NR: No results
9V4AXF	Reporting with stutter filters on

TABLE 6

WebCode	Additional Comments
A7WCDT	No profile interpretations performed. Proficiency used for screening through DNA quantification only.
AEGPW8	Item 3: Per our SOP, the following loci would not be suitable for statistics as alleles are below our interpretational threshold: TPOX and TH01.
AHAJ89	1) Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 3 and Item 4 were extracted using the DNA QIAsymphony DNA Investigator kit on QIAsymphony SP. 2) Quantification: -Item 3 and Item 4 were quantified using ABI Quantifiler Trio DNA Quantification kit on ABI QuantStudio 5 Real-Time PCR System. 3) Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on ABI ProFlex PCR System. -Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. -Item 2 and Item 4 were further amplified using AmFlSTR Y-Filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. 4) Electrophoresis: -Electrophoresis was carried out on Genetic Analyzer 3500xL for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (GlobalFiler). -Electrophoresis was also carried out on Genetic Analyzer 3500xl for Item 2 and Item 4(Y-Filer). 5) Quality Control: Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. 6) NM represent Non-male profile.
AM4CJC	For Item 2, the 11 allele at TPOX was an obligate.
BHAFD3	NR = No Results.
BPQCXY	1) 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. 2) Quantitation: -Item 3 and Item 4 were quantified using Quantifiler Trio Quantification Kit via QS5 system. 3) Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express on ProFlex PCR system. -Item 3 and Item 4 were amplified using GlobalFiler on 9700 GeneAmp PCR system. -Item 2 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. 4) Electrophoresis: -All electrophoresis were carried out using Genetic Analyzer 3500xL. 5) Quality Control: -Reagent blank, Positive Control and Negative Control carried out throughout the analysis all gave intended results. 6) NM represent Non-male profile.
C249X2	NR = No Results. Screening tests performed by a qualified Forensic Biologist and samples transferred to DNA analyst per SOP. KM testing performed by Forensic Biologist. DNA analyst reviewed and interpreted the male screen results.
C3EFWM	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.
C8ACZF	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.
CMFRPN	Item nr 3 consists a mixture of two people - women. One of the contributor is an item 1 the other contributor is unknown. Item nr 4 is a male profile concordant with profile item 2
CNHYAA	No STRmix analysis was used per Lab policy - analysts can visually eliminate if applicable. Analysts are also able to condition/assume where applicable. Male screen results determinations made by DNA analyst. Benchwork for male screen performed by a technician. NR=no results.
CPMANK	NR = No DNA results. NT = Not tested.

TABLE 6

WebCode	Additional Comments
D43MKC	Reporting with stutter filters.
DGVQ6B	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.
DJGCVC	Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software programs. STRmix was used to calculate the following propositions: Item 3: 1sU_UU. Item 4: 2s_U. Per FBU policy, STRmix would not be run for Item 3 as the item was from the victim (Item 1) nor would it be run for Item 4 as the item was from the suspect (Item 2). Stats were run for PT purposes only. NID= No Interpretable Data. Y-Screening performed on Items 3 and 4 Rapid DNA performed on Items 1 and 2
DKUC4M	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.
DW4JUY	Serology tests performed by Forensic Biology qualified analyst. NR = No Results.
DYTFCK	For Item 3, a very low level male quant was obtained; however, no male alleles were detected in Item 3 at analysis.
DZRRJ2	Item 1, victim reference, is minor contributor to item 3.
E4C2J6	Due to the presence of mixture in item 3 NGS data not reported/interpreted per SOP, HVI 73-340 and HVII 16024-16365 reported for mtDNA, ForenSeq Whole Genome mtDNA kit used, items with blank results in additional DNA tab for mito signify no difference from reference sequence at that position
E9PX8F	reporting results with stutter filters on
ELZQYD	NID = No Interpretable Data. INC = Inconclusive. Note: Inclusions and exclusions were conducted by the analyst outside of the STRmix software program. STRmix was used, however, to calculate a likelihood ratio on the following propositions: Item 3: 1sU_2U; Item 4: 2s_U.
F2BPMB	TPOX and TH01 not suitable for mixture statistics based on our SOP; however, given the apparent contributor ratio drop out/stutter masking is unlikely.
F6BXPY	NR = no results. Serological testing was done by a qualified forensic biologist.
F6WE63	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.
F73YT3	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.

TABLE 6

WebCode	Additional Comments
FMMBYW	reporting with stutter filters on
FNX9DD	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.
FPQ994	NR - No Results
FR9YWF	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.
FVLTKZ	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.
G32CCJ	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.
G3GZT8	NR - No Result
G3VM7F	NR = No results
GBB9DX	^ indicates peaks below stochastic threshold as per [Laboratory] policy. NR = no result.
GPD4W7	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.
GQANJ6	NR = No Results. Male screen test performed by qualified forensic biologist. Male Screen interpreted by reported analyst.
GRZPM8	Modified Rapid DNA analysis conducted on Item 1 and 2. (RapidHit) Items 3 and 4 not processed, no DNA interpretation conducted. NID = no interpretable data.
GT7X88	^ = allele below stochastic threshold per SOP. NR = no results.
HQ4TD4	NR = No results. Blood serology tests conducted by forensic biologist.
JDUBGU	Screening and male screen tests were performed by a member of the Forensic Blology Unit. The male screen results were analyzed by the submitter of this test. All overlapping loci between Globalifiler and Yfiler Plus were concordant for the items tested with both. NR = No Results.
JE6WTW	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.
JQJZ6L	The probabilistic genotyping software, STRmix, was used for DNA interpretation. All potential alleles considered during deconvolution have been reported.

TABLE 6

WebCode	Additional Comments
JWAM8Z	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."
K36W94	NR = no results
KA48PU	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.
KTDGJY	NR=no results. Only mtDNA HV1/HV2 reported (73-340; 16024-16365). Blank spaces for mtDNA results indicate no difference from reference sequence. As SigPrep and mtDNA results for Item 3 indicated a mixture, these results are not interpretable and will not be reported in CTS. See autosomal results for this sample reported with GF.
LGHFNB	reporting results with stutter filters on
MKXAZ2	Item-3: DNA mixture; female DNA only. Female source Item-1 is present; unknown female is another contributor; Male source Item-2 is absent. Item-4: Single-male DNA matches male DNA Item-2.
NBLFJD	Reporting only biological screening of evidence samples (Items 3 and 4) and DNA analysis of reference samples (Items 1 and 2). No DNA analysis of Items 3 and 4 was conducted and no DNA interpretation was performed. Qualified as a reporting analyst in biological screening only and as a technician responsible for the DNA analysis of reference samples. Therefore, test was conducted and reported to the fullest extent authorized in casework.
NBP7JU	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.
NFJDAB	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.
NHLXV6	The sperm cell fractions of Items 3.1-S and 4.1-S did not meet our laboratories stop at quantification thresholds; therefore, these samples stopped after quantification and there will be no DNA profile results for these samples.
NKCYY8	ND = No DNA dresults obtained. Ouchterlony (using anti-human hemoglobin antibody). Radial Diffusion via alpha-amylase: Elevated levels of amylase are normally associated with the presence of saliva. However, amylase is present in other body fluids such as vaginal secretions, sweat, and fecal material. Because the amount of amylase detected in Item 3 was inconclusive, the results for saliva in this test will be reported as inconclusive. Because the amount of amylase detected in Item 4 was low, the results for saliva in this test will be reported as inconclusive.
NNEYZ6	Item 3 is a mixture profile of at least two people including the victim and another person (unknown).
PDWJ2W	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.
PJH996	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
PKRL48	Biology portion completed by [Initials] and DNA portion completed by [Initials]. *The Luminol and Phenolphthalein tests are presumptive tests for blood and alone do not confirm the presence of blood. *The Hemdirect test is not considered a confirmatory test for species (It is considered confirmatory for blood), due to the fact that some upper primates and under some conditions, ferrets, have been reported giving positive results with the HemDirect card. *The Amylase diffusion test is a presumptive test for saliva as it tests for the presence of amylase, an enzyme found in body fluids, including saliva.
PNDV7Y	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.
PNNJ3Y	reporting results with stutter filters on
QCY6Z3	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.
QH7P6M	the Identifiler Plus and MiniFiler DNA results obtained from items 3 and 4 were concordant between the tests.
QLZP2A	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.
QRNWKW	NR = no results. Note: per SOP regions for reporting mtDNA are 74-340 and 16024-16365; other data not reported. Note re Item 3: Differential process performed to cover lab analyst methodology requirements. Cell fraction autosomal STR tested and reported. Sperm fraction had insufficient DNA detected for processing (per SOP). As SigPrep and mtDNA results for Item 3 indicated a mixture, these results are not interpretable and will not be reported in CTS. See autosomal results for this sample reported with PowerPlex Fusion 6C.
QTX4JJ	Extraction: Item 1 and Item 2 were extracted using in situ method. Item 3 and Item 4 were extracted using DNA QIAsymphony DNA Investigator kit on QIAsymphony SP. 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 ABI Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2 and Item 4 were amplified using AmpFLSTR Y-filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis were carried out on ABI 3500xL Genetic Analyzer for Item 2 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis and all gave intended results. NM: Non-male profile
R3JKT6	Reporting results with stutter filters on.
RDJZWN	^ indicates peak below stochastic threshold
RDPQ8X	NID-NO INTERPRETABLE DATA
RQQ444	Reporting results with stutter filters on.

TABLE 6

WebCode	Additional Comments
T3LVL8	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.
T47JLU	NR = no results
TDWMP8	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.
TH9W26	ND = no DNA typing results detected at this locus
TNFY37	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.
TT9H84	results reported with stutter filters on
U2H7K3	Results reported with stutter filters ON
UC6GX4	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.
UQP78J	NR = No Results. A qualified forensic biologist performed and interpreted all biological fluid testing to determine the extraction method that I used.
UW24CE	NR = No results. Screening testing on page 1 [Table 1: Serology Screening Results] performed by a qualified Forensic Biologist. DNA analyst interpreted Male Screen Results.
V47776	Biology screening completed by: [Initials]. Biology review completed by: [Initials]. Known lab work completed by: [Initials]. Unknown lab work completed by: [Initials]. Lab work reviewed by: [Initials], [Initials], [Initials]. Portal entry by: [Initials]. Portal entry reviewed by: [Initials].
V4993G	NR = No Result. FB analyst [Initials] performed male screen, DNA Analyst [Initials] analyzed male screen results.
V6HHTT	Y-Screening conducted only. DNA Analysis was not performed. Male DNA was not indicated on Item 3. Male DNA was indicated on Item 4.
VLZ3AR	NR = no results

TABLE 6

WebCode	Additional Comments
VTKK49	Item A-2a: allele in elevated forward stutter position was removed at D5S818 (allele 14)
VVVERL	elevated stutter observed in item 4, was struck and not reported
W38G92	reporting results with stutter filters on
W9TTJ3	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.
WEEAUL	Item 3: several artifacts noted and not included in allele calls table - elevated forward stutter (15 0.5% at D2S441 and 27 0.8% at FGA), pull-up (OL at D12S391), and documented kit artifacts (OL and 14.2 at D19S433). Item 4: noted elevated forward stutter and did not included in allele calls table - FGA (23, 1.1% and 27, 1.4%) and SE33 (29.2, 1.6%).
X2QM2Y	NR = no result
X8Q2PL	Proficiency performed by technician, laboratory does not allow for interpretation of data by technicians.
XG3E8W	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/loci: Exhibit 3, Locus D5S818.
XJAD8Q	reporting results with stutter filters on
Z2GMX2	No interpretation performed on any items as it is outside the participant's current qualification and job duties. MiniFiler was also used to amplify item 3. Concordant results were obtained with GlobalFiler and MiniFiler.
Z8QKPU	N/R = No typing results. N/T = Not typed.
Z96NFK	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.
ZC6YBK	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. NR=No result
ZJHNAT	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.
ZVHC8G	Item 3 - artifact/true allele: 13 @ D5S818. Item 4 - Possible N-8 Struck: 11 @ D19S433.

TABLE 6

WebCode	Additional Comments
ZVXBAZ	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.
ZXFLVJ	This CTS is for serology testing only.

-End of Report-
(Appendix may follow)

Test No. 22-5706: Forensic Biology

DATA MUST BE SUBMITTED BY **Dec. 19, 2022, 11:59 p.m. EST** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A   WebCode: Q2FLPH

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 physical assault involving a female correctional officer (victim) and male inmate (suspect). The correctional officer was searching the inmate's cell during the regularly scheduled contraband check. While inside, the inmate attacked the officer causing severe injuries. The inmate punched the officer in the face, knocked her to the ground, and kicked her in several times in the face. The officer hit the inmate in his legs causing several lacerations in an attempt to get away, but she was unsuccessful. A second correctional officer heard the incident and was able to help the victim escape. The second officer was hit in the face by the suspect while intervening which caused a broken nose. Police are submitting a stain from the shirt the victim was wearing (Item 3) and a stain from the scrub top the suspect was wearing (Item 4). Also collected, were known blood samples from the female victim (Item 1) and male suspect (Item 2). The additional correctional officer's standard is not being submitted at this time.

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 shirt (blue)
Item 4: Questioned stain from suspect's scrub top (yellow)

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 [ ].

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

☐ Identifiler®   ☐ GlobalFiler™   ☐ Investigator® 24plex

☐ PowerPlex®   Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in **Default** *order.*

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

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
1									
ITEM	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
1									
ITEM	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	Y GATA H4
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 [ ].

<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 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						

<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 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 [ ].

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 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						

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 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)