



DNA-Semen Test No. 25-5802

Summary Report

Each participant received a sample pack consisting of two known bloodstains and two questioned stains which they were asked to analyze using their existing protocols. Data were returned from 195 participants and are compiled into the following tables:

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

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

Manufacturer's Information

Each sample pack consisted of two known bloodstains and two questioned stains. Participants were asked to analyze these items using their existing protocols.

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

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

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

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

Manufacturer's Information, continued

Amelogenin and STR Results						
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>						
Item	D1S1656	D2S1338	D2S441	D3S1358	D5S818	D6S1043
	D7S820	D8S1179	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	12,15.3	23,24	11,11	15,15	10,12	*
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NM	NM	NM	NM	
2	14,15	19,22	11,11	16,17	12, 13	*
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18	2	
3-Blood	12,15.3	23,24	11,11	15,15	10,12	*
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NM	NM	NM	NM	
3-Semen	16,16	24,25	11,14	13,15	11,12	*
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22	12,15	7,10	17,30.2	6,9	11,12
	18,18	10	18	17	2	
4	14,15	19,22	11,11	16,17	12,13	*
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18	2	

YSTR Results									
<i>Results compiled from predistribution laboratories and a consensus of at least 10 participants.</i>									
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	36,37	14	15, 18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11	13	18	18	23	21	13	11
3-Semen	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11	13	18	17	22	21	9	11
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11	13	18	18	23	21	13	11

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

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

Summary Comments

This test was designed to allow participants to assess their proficiency in the analysis and comparison of dried stains, where participants are advised of the body fluid(s) present in the questioned stains. 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 semen from a male donor whose known standard was not provided. Refer to the Manufacturer's Information for preparation details.

Data were returned by 195 participants.

DNA Analysis

For STR results, all participants reported consistent results, with the exception of eight participants which reported an inconsistent result for one or more items.

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

DNA Interpretations

Of the 195 participants that returned DNA results, 172 reported DNA interpretations for one or both questioned stains. Eleven participants selected the "No Interpretation" option for each conclusion, eleven stated the samples were analyzed for database purposes only, and one did not respond.

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

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

STR Amplification Kit(s) & Results

TABLE 1

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

Item 1 - STR Results

223PQG	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
292CHG	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
2DTQZV	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
2DUHWH	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
2FHVXA	PowerPlex® Fusion 6C (DNAxs)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
2L6KFX	GlobalFiler™ (STRmix)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

34L94J	Investigator® 24plex QS					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
3H27AK	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
3MDCM6	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
3MXXFV	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					
42ATBH	INTELPlus					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results		No Results		
43NEKK	Investigator® 24plex QS					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
44FFMM	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

4URHWG	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	NM			NM	
4VPTU7	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	NR			NR	
4WW7FD	GlobalFiler™ (STRmix)					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					
62R2WR	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
6CPX2E	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	ND				
6LW2M4	GlobalFiler™ (STRmix)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
79LTHQ	GlobalFiler™ (STRmix)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

7AH86J	INTELPi ^{us}					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results		No Results		
7PRTQU	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
7PUKMG	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
7X2G6T	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
8ACACY	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
8FEL4P	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
8GBW2D	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	NM		NM		

TABLE 1

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

Item 1 - STR Results

8GWARC	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17	NR			NR	
8L7Q2Z	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
8PNL7D	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	ND				
8XHVC3	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17					
8ZLN72	PowerPlex® Fusion 6C (STRmix 2.9)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
94G34B	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
9A8ATB	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		

TABLE 1

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

Item 1 - STR Results

9AW98C	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17					
9UXLFA	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	ND				
A98NEA	PowerPlex® Fusion					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	ND				
AAPHDY	PowerPlex® Fusion 6C (STRMIX)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
ADNYLL	GlobalFiler™ (STRmix)					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
AFRPW9	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
AGM8YA	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		

TABLE 1

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

Item 1 - STR Results

AKLN6C	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
AQA9CX	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					
ATE23Q	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
B6PTAW	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
B8GMB8	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
BAHVAP	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
BAKM6C	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				

TABLE 1

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

Item 1 - STR Results

BCQ9VX	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
BD6DTW	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
BQ4JJK	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10
BV4P3W	GlobalFiler™ (STRmix)				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10
CET9TA	GlobalFiler™ Express				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	NM			NM
CFPJQX	GlobalFiler™ Express				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
CKJH49	PowerPlex® Fusion 5C				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21	9,11	11,12		6,7
	16,17	NR			8,10

TABLE 1

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

Item 1 - STR Results

CRFFQB	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17	No Result	No Result	No Result	
CZAKJC	INTELPlus				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	No Results		No Results	
CZN67U	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				
D92HJJ	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				
DKU23V	Identifiler® Plus				
1		23,24		15,15	10,12
	10,10	14,15			12,12
	19,19	14,14	29,30		X,X
	19,21				6,7
	16,17				
DLBQT3	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				
DNQQJ3	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				

TABLE 1

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

Item 1 - STR Results

DUKF9M	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
DX2T64	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
E3U8A6	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
E4L7M3	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
ECH3B7	PowerPlex® Fusion					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	ND				
EFXF8M	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17					
EKADML	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

EN84M7	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	NM			NM	
EQCPCR	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
EUCZ9R	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
EVVKH6	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
EYUVD6	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
F43LAJ	PowerPlex® Fusion 5C					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	na				
F83W84	PowerPlex® Fusion					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				

TABLE 1

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

Item 1 - STR Results

FA8KK9	Investigator® 24plex QS					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
FFW326	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	NM				NM
FQRBK9	PowerPlex® Fusion 5C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
FZHRF4	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
G34VM2	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
G4CAQ2	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17	NR				NR
G7ZLRR	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

GBUL2G	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
GCP44H	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
GEVPT4	PowerPlex® Fusion				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21	9,11	11,12		6,7
	16,17	NR			8,10
GHWRKP	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
GY7GXQ	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
GYGJJP	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
H4TQJ9	GlobalFiler™ (TrueAllele)				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10

TABLE 1

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

Item 1 - STR Results

HAFG3H	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
HEC3W7	PowerPlex® Fusion, Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	No Results				
HF9FJY	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	Not Detected			Not Detected	
HJ3C76	PowerPlex® Fusion 5C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
HJ729G	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
HKE8NQ	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
HWU2ZJ	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	Not Detected			Not Detected	

TABLE 1

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

Item 1 - STR Results

HX8NHX	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	0			0	
HZ77D6	PowerPlex® Fusion 5C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
JMYHZ2	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
JUHL84	Investigator® 24plex QS					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
JUHNX8	GlobalFiler™ Express					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					
KJXUWY	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
KMTNRE	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

KWJ8EZ	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
L7NFDD	PowerPlex® Fusion 5C					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NA				
L827KV	PowerPlex® Fusion 6C					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NID	NID	NID		
LBGHGC	GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	--			--	
LBJBDY	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	NM			NM	
LEHL7E	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17					
LFTNVX	PowerPlex® Fusion					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				

TABLE 1

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

Item 1 - STR Results

LJVLAW	PowerPlex® Fusion				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12		6,7
	16,17	ND			8,10
LP3KXC	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
LPLYB86	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
LT29FC	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10
LTWRHD	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	--			--
LYNWD3	Investigator® 24plex QS				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	No Results			8,10
M8X39W	Investigator® 24plex GO (STRmix)				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10

TABLE 1

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

Item 1 - STR Results

MEEJWZ	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	No Results	No Results	No Results		
MEX6TW	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
MHEURZ	Investigator® 24plex QS					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
MWVP7B	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	--	--	15,21	6,7	8,10
	16,17	--	--	--	--	
MYXKRY	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results			No Results	
N3F6A9	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
NC7NWU	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		

TABLE 1

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

Item 1 - STR Results

NEBDUW	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
NKW9VZ	PowerPlex® Fusion 5C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
NNGYKJ	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
NTUWUR	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17					
P62B8A	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
PAV66B	PowerPlex® Fusion 6C, GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	Not Detected			Not Detected	
PDTKXT	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		

TABLE 1

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

Item 1 - STR Results

PMGK8B	GlobalFiler™ Express				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17				8,10
PMHD4X	GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	No Results			No Results
PP6WA2	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
PT63N8	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				8,10
Q3RLJR	PowerPlex® Fusion 5C				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21	9,11	11,12		6,7
	16,17				8,10
Q4NY7K	PowerPlex® Fusion				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17				8,10
Q6FT9V	PowerPlex® Fusion 5C				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21	9,11	11,12		6,7
	16,17				8,10

TABLE 1

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

Item 1 - STR Results

Q9DEV	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
QEK39T	PowerPlex® Fusion					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
QHHNZV	PowerPlex® 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	No Results	No Results	No Results		
QRTQLW	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
R7KZNT	Investigator® 24plex GO!					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
R9WKTW	GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results			No Results	
RK7FRR	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

RN6QMR	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
RZJPDU	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	NM			NM	
TEF8Z7	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
TFPCDV	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results			No Results	
TJNRN4	GlobalFiler™					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
TJPKKQ	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
TNHLL6	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	--			--	

TABLE 1

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

Item 1 - STR Results

TWEJ98	PowerPlex® Fusion 6C, GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	Not Detected		Not Detected		
U7JN2N	GlobalFiler™ Express					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
U8UTED	PowerPlex® Fusion 6C					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
UM78R4	GlobalFiler™					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					
UMJ2AP	PowerPlex® Fusion					
1	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				
UQ7DBF	PowerPlex® Fusion System					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17					
UWAG2E	GlobalFiler™ (STRLAB)					
1	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

V47GDL	PowerPlex® Fusion 6C, GlobalFiler™				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	Not detected			Not detected
V4R86L	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				
VCJR4R	PowerPlex® 5C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12		6,7
	16,17	No Results			
VDXWZ6	GlobalFiler™				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				
VGEE2M	PowerPlex® Fusion 6C				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21	9,11	11,12	15,21	6,7
	16,17	NR	NR	NR	
VNRBZ2	GlobalFiler™ (STRmix v2.7.0)				
1	12,15.3	23,24	11	15	10,12
	10	14,15	14	17,20	12
	19	14	29,30	16,17	X
	19,21			15,21	6,7
	16,17				
VWPZJQ	Investigator® 24plex QS				
1	12,15.3	23,24	11,11	15,15	10,12
	10,10	14,15	14,14	17,20	12,12
	19,19	14,14	29,30	16,17	X,X
	19,21			15,21	6,7
	16,17	No Results			

TABLE 1

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

Item 1 - STR Results

VZP6G6	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
W4JK6J	GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17					
WCYCNP	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	No Results	No Results	No Results		
WEMLZC	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
WKTGGQ	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
WMGQTD	GlobalFiler™ (STRMix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
WRNJJ3	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

WT3NHZ	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
WVCTVN	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	NM			NM	
WVPMBN	Investigator® 24plex QS					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21			15,21	6,7	8,10
	16,17	No Results				
X2ULKT	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
X8LNUK	PowerPlex® Fusion 6C					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NID	NID	NID		
XBWYH9	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	XX	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17					
XD8LE2	PowerPlex® Fusion 5C					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	XX	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NA				

TABLE 1

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

Item 1 - STR Results

XFFTML	PowerPlex® Fusion 6C					
	12,15.3	23,24	11,11	15,15	10,12	
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12	15,21	6,7	8,10
	16,17	NR	NR	NR		
XJR2KJ	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
XY7AJ3	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
Y4V42L	Investigator® 24plex GO! (STRMix)					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
YHC4PY	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
YHUTCZ	GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	--
	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	--	--	15,21	6,7	8,10
	16,17	--	--	--	--	
YMRCFJ	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					

TABLE 1

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

Item 1 - STR Results

YRKDHY	GlobalFiler™					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
ZDYFU9	GlobalFiler™ (STRmix)					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17					
ZF7ZFN	PowerPlex® Fusion 5C, MiniFiler					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	No Results				
ZLQ2V2	PowerPlex® Fusion 6C, GlobalFiler™					
	12,15.3	23,24	11,11	15,15	10,12	
1	10,10	14,15	14,14	17,20	12,12	8,11
	19,19	14,14	29,30	16,17	X,X	10,12
	19,21			15,21	6,7	8,10
	16,17	Not Detected			Not Detected	
ZQKT7J	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17	NR			NR	
ZRVURH	GlobalFiler™ Express					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21			15,21	6,7	8,10
	16,17	NR			NR	
ZYFXYK	PowerPlex® Fusion					
	12,15.3	23,24	11	15	10,12	
1	10	14,15	14	17,20	12	8,11
	19	14	29,30	16,17	X	10,12
	19,21	9,11	11,12		6,7	8,10
	16,17	NR				

TABLE 1

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

Item 2 - STR Results

223PQG	PowerPlex® Fusion 6C					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
292CHG	PowerPlex® Fusion 6C					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
2DTQZV	GlobalFiler™					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
2DUHWH	GlobalFiler™					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
2FHVXA	PowerPlex® Fusion 6C (DNAxs)					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		
2L6KFX	GlobalFiler™ (STRmix)					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
34L94J	Investigator® 24plex QS					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10				

TABLE 1

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

Item 2 - STR Results

3H27AK	PowerPlex® Fusion				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
3MDCM6	PowerPlex® Fusion 6C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16	10	18	18	8,12
3MXXFV	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
42ATBH	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
43NEKK	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
44FFMM	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
4URHWG	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12

TABLE 1

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

Item 2 - STR Results

4VPTU7	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
4WW7FD	GlobalFiler™ (STRmix)					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
62R2WR	GlobalFiler™					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
6CPX2E	PowerPlex® Fusion					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
6LW2M4	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
79LTHQ	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
7AH86J	INTELPlus					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

TABLE 1

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

Item 2 - STR Results

7PRTQU	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
7PUKMG	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
7X2G6T	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
8ACACY	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
8FEL4P	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
8GBW2D	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
8GWARC	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 2 - STR Results

8L7Q2Z	PowerPlex® Fusion 6C					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
8PNL7D	PowerPlex® Fusion					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
8XHVC3	GlobalFiler™					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
8ZLN72	PowerPlex® Fusion 6C (STRmix 2.9)					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		
94G34B	PowerPlex® Fusion					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
9A8ATB	PowerPlex® Fusion 6C					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
9AW98C	PowerPlex® Fusion					
2	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				

TABLE 1

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

Item 2 - STR Results

9UXLFA	PowerPlex® Fusion					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14 9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
A98NEA	PowerPlex® Fusion					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14 9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
AAPHDY	PowerPlex® Fusion 6C (STRMIX)					
	14,15	19,22	11	16,17	12,13	
	2	10	11,12	13	20	12,14 9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		
ADNYLL	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
	2	10	11,12	13	20	12,14 9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
AFRPW9	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14 9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
AGM8YA	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14 9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
AKLN6C	Investigator® 24plex QS					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14 9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,[19]	7,9.3	8,12
	16,16	10				

TABLE 1

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

Item 2 - STR Results

AQA9CX	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ATE23Q	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
B6PTAW	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
B8GMB8	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
BAHVAP	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
BAKM6C	INTELPlus				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
BCQ9VX	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2

TABLE 1

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

Item 2 - STR Results

BD6DTW	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
BQ4JJK	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
BV4P3W	GlobalFiler™ (STRmix)				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
CET9TA	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
CFPJQX	GlobalFiler™ Express				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
CKJH49	PowerPlex® Fusion 5C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
CRFFQB	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12

TABLE 1

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

Item 2 - STR Results

CZAKJC	GlobalFiler™, MiniFiler				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
CZN67U	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
D92HJJ	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
DKU23V	Identifiler® Plus				
2		19,22		16,17	12,13
	10,10	11,12			12,14
	13,14	13,13	30,30		X,Y
	23,24				7,9.3
	16,16				8,12
DLBQT3	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
DNQQJ3	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
DUKF9M	GlobalFiler™ (STRmix)				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 2 - STR Results

DX2T64	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
E3U8A6	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
E4L7M3	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ECH3B7	PowerPlex® Fusion				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			
EFXF8M	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
EKADML	GlobalFiler™ (STRmix)				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
EN84M7	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 2 - STR Results

EQCPCR	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
EUCZ9R	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
EVVKH6	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
EYUVD6	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
F43LAJ	PowerPlex® Fusion 5C					
	14,15	19,22	11	16,17	12,13	
	2	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	8,12
		16	10			
F83W84	PowerPlex® Fusion					
	14,15	19,22	11	16,17	12,13	
	2	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	8,12
		16	10			
FA8KK9	Investigator® 24plex QS					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10			

TABLE 1

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

Item 2 - STR Results

FFW326	GlobalFiler™ Express					
	14,15	19,22	11	16,17	12,13	
2	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
FQRBK9	PowerPlex® Fusion 5C					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
FZHRF4	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
G34VM2	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
G4CAQ2	GlobalFiler™ Express					
	14,15	19,22	11	16,17	12,13	
2	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
G7ZLRR	PowerPlex® Fusion 6C					
	14,15	19,22	11	16,17	12,13	
2	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		
GBUL2G	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

TABLE 1

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

Item 2 - STR Results

GCP44H	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
GEVPT4	PowerPlex® Fusion					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	8,12
		16	10			
GHWRKP	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
GY7GXQ	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
GYGJJP	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
H4TQJ9	GlobalFiler™ (TrueAllele)					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
HAFG3H	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	

TABLE 1

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

Item 2 - STR Results

HEC3W7	GlobalFiler™ Express				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
HF9FJY	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
HJ3C76	PowerPlex® Fusion 5C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
HJ729G	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
HKE8NQ	GlobalFiler™ (STRmix)				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
HWU2ZJ	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
HX8NHX	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2

TABLE 1

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

Item 2 - STR Results

HZ77D6	PowerPlex® Fusion 5C				
	14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
JMYHZ2	PowerPlex® Fusion				
	14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
JUHL84	Investigator® 24plex QS				
	14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
JUHNX8	GlobalFiler™ Express				
	14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
KJXUWY	PowerPlex® Fusion				
	14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
KMTNRE	GlobalFiler™ Express				
	14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
KWJ8EZ	GlobalFiler™ (STRmix)				
	14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 2 - STR Results

L7NFDD	PowerPlex® Fusion 5C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
L827KV	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
LBGHGC	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
LBJBDY	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
LEHL7E	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
LFTNVX	PowerPlex® Fusion				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
LJVLAW	PowerPlex® Fusion				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12

TABLE 1

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

Item 2 - STR Results

LP3XKC	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
LPYB86	Investigator® 24plex QS					
		14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10			
LT29FC	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
LTWRHD	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
LYNWD3	Investigator® 24plex QS					
		14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10			
M8X39W	Investigator® 24plex GO (STRmix)					
		14,15	19,22	11	16,17	12,13
	2	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10			
MEEJWZ	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12

TABLE 1

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

Item 2 - STR Results

MEX6TW	PowerPlex® Fusion				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
MHEURZ	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
MWVP7B	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	--	--	18,19	7,9.3
	16,16	10	--	--	2
MYXKRY	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
N3F6A9	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
NC7NWU	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
NEBDUW	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 2 - STR Results

NKW9VZ	Investigator® 24plex QS					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
	16,16	10				
NNGYKJ	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18		
NTUWUR	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
	16,16	10			2	
P62B8A	GlobalFiler™					
	14,15	19,22	11	16,17	12,13	
	2	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
	16	10			2	
PAV66B	PowerPlex® Fusion 6C, GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
	16,16	10			2	
PDTKXT	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	2	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18		
PMGK8B	GlobalFiler™ Express					
	14,15	19,22	11,11	16,17	12,13	
	2	10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
	16,16	10			2	

TABLE 1

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

Item 2 - STR Results

PMHD4X	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
PP6WA2	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
PT63N8	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
Q3RLJR	PowerPlex® Fusion 5C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
Q4NY7K	PowerPlex® Fusion				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
Q6FT9V	PowerPlex® Fusion 5C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	[20]	12,14
	13,14	13	30	[16]	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
Q9DEVR	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16				8,12

TABLE 1

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

Item 2 - STR Results

QEK39T	PowerPlex® Fusion				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
QHHNZV	PowerPlex® 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
QRTQLW	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
R7KZNT	Investigator® 24plex GO!				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
R9WKTW	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12
RK7FRR	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
RN6QMR	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12

TABLE 1

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

Item 2 - STR Results

RZJPDU	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
TEF8Z7	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
TFPCDV	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
TJNRN4	GlobalFiler™				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
TJPKKQ	PowerPlex® Fusion				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			2
TNHLL6	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
TWEJ98	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2

TABLE 1

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

Item 2 - STR Results

U7JN2N	GlobalFiler™ Express					
	14,15	19,22	11	16,17	12,13	
2	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
U8UTED	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
UM78R4	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
UMJ2AP	PowerPlex® Fusion					
	14,15	19,22	11	16,17	12,13	
2	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
UQ7DBF	PowerPlex® Fusion SYSTEM					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
UWAG2E	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
V47GDL	PowerPlex® Fusion 6C, GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
2	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

TABLE 1

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

Item 2 - STR Results

V4R86L	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2
VCJR4R	PowerPlex® 5C					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15		7,9.3
		16,16	10			8,12
VDXWZ6	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2
VGEE2M	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
VNRBZ2	GlobalFiler™ (STRmix v2.7.0)					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2
VWPZJQ	Investigator® 24plex QS					
		14,15	19,22	11,11	16,17	12,13
2		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24			18,19	7,9.3
		16,16	10			8,12
VZP6G6	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
2		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2

TABLE 1

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

Item 2 - STR Results

W4JK6J	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
WCYCNP	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
WEMLZC	PowerPlex® Fusion 6C					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
WKTGGQ	Investigator® 24plex QS					
	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10				
WMGQTD	GlobalFiler™ (STRMix)					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
WRNJJ3	GlobalFiler™					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
WT3NHZ	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

TABLE 1

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

Item 2 - STR Results

WVCTVN	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
WVPMBN	Investigator® 24plex QS				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			
X2ULKT	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
X8LNUK	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
XBWYH9	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,34	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
XD8LE2	PowerPlex® Fusion 5C				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			
XFFTML	PowerPlex® Fusion 6C				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	

TABLE 1

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

Item 2 - STR Results

XJR2KJ	GlobalFiler™ Express					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
XY7AJ3	GlobalFiler™					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
Y4V42L	Investigator® 24plex GO! (STRMix)					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10				
YHC4PY	GlobalFiler™					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
YHUTCZ	GlobalFiler™					
2	14,15	19,22	11,11	16,17	12,13	--
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	--	--	18,19	7,9.3	8,12
	16,16	10	--	--	2	
YMRCFJ	GlobalFiler™ Express					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
YRKDHY	GlobalFiler™					
2	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

TABLE 1

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

Item 2 - STR Results

ZDYFU9	GlobalFiler™ (STRmix)				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ZF7ZFN	GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
ZLQ2V2	PowerPlex® Fusion 6C, GlobalFiler™				
2	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
ZQKT7J	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ZRVURH	GlobalFiler™ Express				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ZYFXYK	PowerPlex® Fusion				
2	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12

TABLE 1

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

Item 3 - STR Results

CFPJQX	GlobalFiler™				
3	12,15,3,16	23,24,25	11,14	13,15	10,11,12
	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
DNQQJ3	PowerPlex® Fusion 6C				
3	12,15,3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
Q4NY7K	PowerPlex® Fusion				
3	12,15,3,16	23,24,25	11,14	13,15	10,11,12
	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
UQ7DBF	PowerPlex® Fusion SYSTEM				
3	12,15,3,16	23,24,25	11,14	13,15	10,11,12
	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12

TABLE 1

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

Item 3e - STR Results

223PQG	PowerPlex® Fusion 6C (STRmix v2.5.11)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
292CHG	PowerPlex® Fusion 6C (STRmix V2.5.11)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
2DTQZV	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
2DUHWH	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
2FHVXA	PowerPlex® Fusion 6C (DNAxs)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
2L6KFX	GlobalFiler™ (STRmix)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
					2
34L94J	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12		6,7,[9]
	16,17,[18]	10			8,10,[11],[12]

TABLE 1

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

Item 3e - STR Results

3H27AK	GlobalFiler™ (STRmix)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
					2
3MDCM6	PowerPlex® Fusion 6C (STRmix™ 2.9.0)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
3MXXFV	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
42ATBH	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	8,10,[11],[12]
43NEKK	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	8,10,[11],[12]
44FFMM	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
4URHWG	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2

TABLE 1

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

Item 3e - STR Results

4VPTU7	GlobalFiler™				
	12,15.3	23,24,25	11,14	13,15	10,11,12
3e	10	13,14,15	14,16	17,20	11,12,13
	19	14	29,30	15,16,17	X,Y
	19,21,22			15,21,30.2	6,7,9
	16,17	10			8,10
					NR
4WW7FD	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,15,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	8,11,12,13
	19,21,22			15,17,21,30.2	X,Y
	16,17,18	10			10,11,12
					8,10,11,12
					2
62R2WR	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	8,11,13
	19,21,22			15,17,21,30.2	X,Y
	16,17,18	10			10,11,12
					8,10,11,12
					2
6LW2M4	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	8,11,13
	19,21,22			15,17,21,30.2	X,Y
	16,17,18	10			10,11,12
					8,10,11,12
					2
79LTHQ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,20	12,13
	12,13,19	14,15.2	29,30,31	15,16,17	8,11,13
	19,21,22			15,17,21,30.2	X,Y
	16,17,18	10			10,11,12
					8,10,11,12
					2
7PRTQU	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31,32.2]	[15],16,17	8,11,[13]
	19,21,[22]			15,[17],21,[30.2]	X,[Y]
	16,17,[18]	10			10,[11],12
					8,10,[11,12]
					2
7PUKMG	PowerPlex® Fusion 6C (STRmix v2.5.11)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	8,11,[13]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	X,[Y]
	16,17,[18]	10	18	17	10,[11],12
					8,10,[11],[12]

TABLE 1

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

Item 3e - STR Results

7X2G6T	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
8ACACY	PowerPlex® Fusion 6C (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
8FEL4P	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
8GBW2D	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
8GWARC	GlobalFiler™ (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
8L7Q2Z	PowerPlex® Fusion 6C (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
8PNL7D	PowerPlex® Fusion					
	12,15.3,16	23,24,25	11,11,[14]	[13],15,15	10,11,12	
	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,14,[15.2]	29,30,31,32.2	15,16,17	X,X,[Y]	10,11,12
	19,21,22	9,11,12,15	7,10,11,12		6,7,9	8,10,11,12
	16,17,18	10				

TABLE 1

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

Item 3e - STR Results

8XHVC3	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
8ZLN72	PowerPlex® Fusion 6C (STRmix 2.9)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
94G34B	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12
9A8ATB	PowerPlex® Fusion 6C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
9AW98C	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		[10],11,11,[12]
	16,17,18	10			6,7,9
					8,10,11,12
9UXLFA	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,11,[14]	[13],15,15	10,11,12
3e	10,10	12,13,14,15	14,14,[16]	17,18,20,21	[11],12,12,[13]
	[12],[13],19,19	14,14,[15.2]	29,30,[31],[32.2]	15,16,17	X,X,[Y]
	19,21,[22]	9,11,12,15	[7],[10],11,12		6,7,9
	16,17,18	10			8,10,11,12
A98NEA	PowerPlex® Fusion				
	[12,15.3],16,16	23,24,25	11,14	13,15	10,11,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,15,[16,17]	X,Y
	[19],21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12

TABLE 1

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

Item 3e - STR Results

AAPHDY	PowerPlex® Fusion 6C (STRMIX)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
ADNYLL	GlobalFiler™ (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
AFRPW9	PowerPlex® Fusion 6C (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
AGM8YA	PowerPlex® Fusion 6C (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
AKLN6C	PowerPlex® Fusion 6C					
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12	
	3e 10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]	8,11,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]	10,[11],12
	[19],21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]	8,10,[11],[12]
	16,17,[18]	10	18	17		
AQA9CX	PowerPlex® Fusion 6C (STRmix v2.9)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
ATE23Q	GlobalFiler™					
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12	
	3e 10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]	8,11,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]	10,[11],12
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]	8,10,[11],[12]
	16,17,[18]	[10]			[2]	

TABLE 1

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

Item 3e - STR Results

B6PTAW	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
B8GMB8	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
BAHVAP	GlobalFiler™				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	12,13,14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12,13],19	14,[15.2]	29,30,[31,32.2]	15,16,17	X,Y
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,18	10			2
BAKM6C	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12		6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
BCQ9VX	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
BD6DTW	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
BQ4JJK	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,21	6,7,9
	16,17,18	10			2

TABLE 1

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

Item 3e - STR Results

BV4P3W	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
CET9TA	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
CKJH49	PowerPlex® Fusion 5C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12
CRFFQB	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,[7],[9]
	16,17,[18]	10			2
CZAKJC	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	8,10,[11],[12]
CZN67U	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
D92HJJ	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2

TABLE 1

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

Item 3e - STR Results

DKU23V	Identifiler® Plus				
		23,24,25		15,15	10,11,12
3e	10,10	12,13,14,15			11,12,13
	13,19	14,15.2	29,30,31,32.2		X,Y
	19,21,22				6,7,9
	16,17,18				8,10,11,12
DLBQT3	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
DUKF9M	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
DX2T64	PowerPlex® Fusion 6C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
E3U8A6	PowerPlex® Fusion 6C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
E4L7M3	GlobalFiler™ (STRmix)				
	11,12,14.3,15.3,16,Q	22,23,24,25,Q	10,11,14,Q	13,14,15,Q	10,11,12,Q
3e	9,10,Q	12,13,14,15,Q	13,14,15,16,Q	16,17,18,19,20,21,Q	11,12,13,Q
	12,13,18,19,Q	13,14,15.2,Q	28,29,30,31,Q	15,16,17,18,Q	X,Y
	18,19,20,21,22,Q			14,14.2,15,17,20,21,30.2,Q	9,10,11,12,Q
	15,16,17,18,Q	10			8,10,11,12,Q
					2

TABLE 1

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

Item 3e - STR Results

ECH3B7	PowerPlex® Fusion				
3e	12,15.3,16	23,24,[25]	11,11,[14]	[13],15,15	10,11,12
	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,14,[15.2]	29,30,31,32.2	15,16,17	X,X,[Y]
	19,21,22	9,11,12,15	7,10,11,12	6,7,9	8,10,11,12
	16,17,18	10			
EKADML	GlobalFiler™ (STRmix)				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
EN84M7	GlobalFiler™				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
EQCPCR	PowerPlex® Fusion 6C (STRmix)				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
EUCZ9R	PowerPlex® Fusion 6C (STRmix)				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
EVVKH6	PowerPlex® Fusion 6C (STRmix)				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
EYUVD6	PowerPlex® Fusion 6C (STRmix)				
3e	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	

TABLE 1

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

Item 3e - STR Results

F43LAJ	PowerPlex® Fusion 5C				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12,13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12,13],19	14,[15.2]	29,30,[31,32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12,15]	[7,10],11,12	6,7,[9]	8,10,[11,12]
	16,17,[18]	10			
F83W84	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	6,7,9	8,10,11,12
	16,17,18	10			
FA8KK9	PowerPlex® Fusion 5C				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	6,7,[9]	8,10,[11],[12]
	16,17,[18]	10			
FFW326	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10		2	8,10,11,12
FQRBK9	GlobalFiler™ (STRmix)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10		2	8,10,[11],[12]
FZHRF4	PowerPlex® Fusion 6C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
G34VM2	PowerPlex® Fusion 6C (STRmix V2.5.11)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12

TABLE 1

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

Item 3e - STR Results

G4CAQ2	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
G7ZLRR	PowerPlex® Fusion 6C (STRmix v2.9)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
GBUL2G	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
GCP44H	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,12
3e	10,10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
GEVPT4	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			
GHWRKP	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
GY7GXQ	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	

TABLE 1

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

Item 3e - STR Results

GYGJP	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
H4TQJ9	GlobalFiler™ (TrueAllele)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
HAFG3H	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
HF9FJY	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12
3e	10,10	[12],[13],14,15	14,14,[16]	17,[18],20,[21]	12,12,[13]
	[12],[13],19,19	14,14,[15.2]	29,30,[31,32.2]	[15],16,17	X,X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	[10]			8,10,[11]
					[2]
HJ3C76	Investigator® 24plex QS (STRmix)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
HJ729G	GlobalFiler™				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31,32.2]	15,16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,9
	16,17,[18]	[10]			8,10,[11,12]
					[2]
HKE8NQ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2

TABLE 1

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

Item 3e - STR Results

HWU2ZJ	GlobalFiler™					
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12	
	10,10	[12],[13],14,15	14,14,[16]	17,[18],20,[21]	[11],12,12	8,11,[13]
	[12],[13],19,19	14,14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,X,[Y]	10,[11],12
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]	8,10,[11],[12]
HX8NHX	16,17,[18]	[10]			[2]	
	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
HZ77D6	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,[18]	10			2	
	Investigator® 24plex QS					
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12	
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]	8,11,[13]
JMYHZ2	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]	10,[11],12
	19,21,[22]			15,[17],21,[30.2]	6,[7],[9]	8,10,[11],[12]
	16,17,[18]	10				
	PowerPlex® Fusion					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
JUHL84	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12		6,7,9	8,10,11,12
	16,17,[18]	10				
	PowerPlex® Fusion 6C					
JUHNX8	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12	
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]	8,11,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]	10,[11],12
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]	8,10,[11],[12]
	16,17,[18]	10	18	17		
KJXUWY	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12		6,7,9	8,10,11,12
	16,17,[18]	10				

TABLE 1

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

Item 3e - STR Results

KWJ8EZ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
L7NFDD	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12,13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12,13],19	14,[15.2]	29,30,[31,32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12,15]	[7,10],11,12		6,7,[9]
	16,17,[18]	10			8,10,[11,12]
LBGHGC	GlobalFiler™				
	12,15.3	23,24,25	11	13,15	10,12
3e	10	12,13,14,15	14,16	17,18,20,21	12
	12,13,19	14,15.2	29,30,32.2	16,17	X,Y
	19,21			15,17,21	6,7
	16,17	10			2
LBJBDY	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
LFTNVX	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12
LJVLAW	PowerPlex® Fusion				
	12,15.3	ND	INC	INC	10,12
3e	INC	12,14,15	INC	17,20	INC
	INC	INC	29,30	ND	X,X,[Y]
	INC	ND	INC		6,7
	16,17	ND			INC
LP3XKC	GlobalFiler™				
	12,15.3	23,24,25	11	15	10,11,12
3e	10	12,14,15	14,16	17,20	12,13
	12,13,19	14	29,30,31,32.2	16,17	X
	19,21			15,21,30.2	6,7
	16,17,18	10			2

TABLE 1

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

Item 3e - STR Results

LT29FC	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,20	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
LTWRHD	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
LYNWD3	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	
M8X39W	Investigator® 24plex QS (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	12
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			
MEEJWZ	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			2
MEX6TW	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			
MHEURZ	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24	11,[14]	[13],15	10,[11],12
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	

TABLE 1

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

Item 3e - STR Results

MWVP7B	GlobalFiler™				
	12,15.3,16	23,24	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	--	--	15,17,21,30.2	6,7,9
	16,17,18	10	--	--	2
MYXKRY	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20	[11],12,[13]
	[12],[13],19	14,14	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	No Results	17	8,10,[11],[12]
N3F6A9	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,14,15	14,16	17,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
NC7NWU	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
NEBDUW	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
NNGYKJ	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
NTUWUR	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2

TABLE 1

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

Item 3e - STR Results

P62B8A	GlobalFiler™				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,[7],[9]
	16,17,18	10			8,10,[11],[12]
					2
PAV66B	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12
3e	10,10	[12],[13],14,15	14,14,[16]	17,[18],20,[21]	12,12
	[12],[13],19,19	14,14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	[10]			8,10,[11],[12]
					[2]
PDTKXT	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
PMHD4X	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	8,10,[11],[12]
PP6WA2	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
PT63N8	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
Q3RLJR	PowerPlex® Fusion 5C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12

TABLE 1

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

Item 3e - STR Results

Q6FT9V	PowerPlex® Fusion 5C				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	6,7,9	8,10,11,12
	16,17,18	10			
Q9DEVR	PowerPlex® Fusion 6C, GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,X,[X,Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]				8,10,[11],[12]
QEK39T	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,15	7,10,11,12	6,7,9	8,10,11,12
	16,17,18	10			
QHHNZV	GlobalFiler™				
	12,15.3,(16)	23,24,(25)	11,(14)	(13),15	10,(11),12
3e	10,10	(12),(13),14,15	14,(16)	17,(18),20,(21)	(11),12,(13)
	(12),(13),19	14,(15.2)	29,30,(31),(32.2)	(15),16,17	X,(Y)
	19,21,(22)			15,(17),21,(30.2)	6,7,(9)
	16,17,(18)	10		2	8,10,(11),(12)
QRTQLW	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	6,7,[9]	8,10,[11],[12]
	16,17,[18]	10			
R7KZNT	Investigator® 24plex QS				
	12,15.3	23,24,25	11,14	15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20	12
	12,13,19	14	29,30	15,16,17	X
	19,21,22			15,17,21,30.2	6,7,9
	16,17	10			8,10,11,12
R9WKTW	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10		2	8,10,[11],[12]

TABLE 1

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

Item 3e - STR Results

RK7FRR	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
RN6QMR	GlobalFiler™ (STRMIX)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
RZJPDU	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
TEF8Z7	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
TFPCDV	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			2
TJNRN4	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
TJPKKQ	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12

TABLE 1

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

Item 3e - STR Results

TNHLL6	GlobalFiler™					
	12,15.3,16	23,24,25	11	13,15	10,11,12	
	3e 10	12,14,15	14,16	17,18,20,21	12,13	8,11,13
	12,13,19	14	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7	8,10,11,12
	16,17,18	10			2	
TWEJ98	GlobalFiler™					
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12	
	3e 10,10	[12],[13],14,15	14,14,[16]	17,20	12,12	8,11,[13]
	[12],[13],19,19	14,14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,X,[Y]	10,[11],12
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]	8,10,[11],[12]
	16,17,[18]	[10]			[2]	
U7JN2N	GlobalFiler™ (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
U8UTED	PowerPlex® Fusion 6C (STRmix)					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10	18	17		
UM78R4	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X	10,11,12
	19,21			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	
UMJ2AP	PowerPlex® Fusion					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22	9,11,12,15	7,10,11,12		6,7,9	8,10,11,12
	16,17,18	10				
UWAG2E	GlobalFiler™					
	12,15.3,16	23,24,25	11,14	13,15	10,11,12	
	3e 10,10	12,13,14,15	14,16	17,18,20,21	11,12,13	8,11,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y	10,11,12
	19,21,22			15,17,21,30.2	6,7,9	8,10,11,12
	16,17,18	10			2	

TABLE 1

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

Item 3e - STR Results

V47GDL	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12
3e	10,10	[12],[13],14,15	14,14,[16]	17,[18],20,[21]	[11],12,12
	[12],[13],19,19	14,14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	[10]			8,10,[11],[12]
					[2]
V4R86L	GlobalFiler™ (STRMix)				
	11,12,14.3,15.3,16,Q	22,23,24,25,Q	10,11,14,Q	13,14,15,Q	9,10,11,12,Q
3e	9,10,Q	12,13,14,15	13,14,16,Q	16,17,18,19,20,21,Q	11,12,13,Q
	12,13,18,19	13,14,15.2,Q	28,29,30,31,32.2,Q	15,16,17,Q	X,Y
	19,20,21,22,Q			15,17,21,30.2	6,7,9,Q
	16,17,18,Q	10			8,10,11,12,Q
					2
VCJR4R	GlobalFiler™				
	12,15.3,[16]	[23],24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
					2
VDXWZ6	GlobalFiler™				
	12,15.3,16	[23],24,[25]	11,[14]	[13],15	[10],[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	15,16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,18	10			8,10,11,[12]
					2
VGEE2M	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
VNRBZ2	GlobalFiler™ (STRmix v2.7.0)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
VWPZJQ	PowerPlex® Fusion 6C (STRmix V2.5.11)				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,[7],[9]
	16,17,[18]	10	18	17	8,10,[11],[12]

TABLE 1

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

Item 3e - STR Results

VZP6G6	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
W4JK6J	GlobalFiler™ (STRmix)				
	11,12,15.3,16,Q	22,23,24,Q	10,11,14,Q	13,14,15,Q	9,10,11,12,Q
3e	9,10,Q	12,13,14,15	13,14,15,16,Q	16,17,18,19,20,21,Q	11,12,13,Q
	12,13,19	13,14,15.2,Q	28,29,30,31,32.2,Q	15,16,17,18,Q	X,Y
	18,19,20,21,22,Q			15,17,21,30.2	6,7,9,Q
	15,16,17,18,Q	10			2
WCYCNP	GlobalFiler™ (STRmix)				
	12,15.3,(16)	23,24,(25)	11,(14)	(13),15	10,(11),12
3e	10,10	(12),(13),14,15	14,(16)	17,(18),20,(21)	(11),12,(13)
	(12),(13),19	14,(15.2)	29,30,(31),(32.2)	(15),16,17	X,(Y)
	19,21,(22)			15,(17),21,(30.2)	6,7,(9)
	16,17,(18)	10			2
WEMLZC	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	
WKTGGQ	PowerPlex® Fusion 6C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12	15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	10	18	17	
WMGQTD	GlobalFiler™ (STRMix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
WRNJ3	GlobalFiler™				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,18	[10]			[2]

TABLE 1

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

Item 3e - STR Results

WT3NHZ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
WVCTVN	16,17,18	10			2
	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
WVPMBN	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
	10,10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
X2ULK	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
	19,21,[22]	9,11,[12],[15]	[7],[10],11,12		6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
XBWYH9	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12
XD8LE2	PowerPlex® Fusion 6C (STRMix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
XFFTML	16,17,18	10	18	17	8,10,11,12
	PowerPlex® Fusion 5C				
	12,15.3,[16]	23,24,[25]	11,[14]	[13],15	10,[11],12
	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	[15],16,17	X,[Y]
XFFTML	19,21,[22]	9,11,[12],[15]	[7],[10],11,12		6,7,[9]
	16,17,[18]	10			8,10,[11],[12]
	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	10	12,13,14,15	14,16	17,18,20,21	11,12,13
XFFTML	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
	16,17,18	10	18	17	8,10,11,12

TABLE 1

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

Item 3e - STR Results

XJR2KJ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	12,14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
XY7AJ3	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
Y4V42L	Investigator® 24plex QS (STRMix)				
	12,16,15.3	23,24,25	11,(14)	(13),15	10,12
3e	10	(12),13,14,15	14,16	17,20,(21)	12
	(12),13,19	14,(15.2)	29,30,(31),(32.2)	15,16,17	X,(Y)
	19,21,(22)			15,(17),21,(30.2)	6,7
	16,17,(18)	10			8,10,(11),(12)
YHC4PY	GlobalFiler™				
	12,15.3,16	23,24,[25]	11,[14]	[13],15	10,[11],12
3e	10	[12],[13],14,15	14,[16]	17,[18],20,[21]	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,[31],[32.2]	15,16,17	X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,18	[10]			[2]
YHUTCZ	GlobalFiler™				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	--	--	15,17,21,30.2	6,7,9
	16,17,18	10	--	--	2
YMRCFJ	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2
YRKDHY	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,20	12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			2

TABLE 1

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

Item 3e - STR Results

ZDYFU9	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
ZLQ2V2	GlobalFiler™				
	12,15.3,[16]	23,24,[25]	11,11,[14]	[13],15,15	10,[11],12
3e	10,10	[12,13],14,15	14,14,[16]	17,20	12,12
	[12,13],19,19	14,14,[15.2]	29,30,[32.2]	[15],16,17	X,X,[Y]
	19,21,[22]			15,[17],21,[30.2]	6,7,[9]
	16,17,[18]	[10]			8,10,[12]
					[2]
ZQKT7J	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
ZRVURH	GlobalFiler™ (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			15,17,21,30.2	6,7,9
	16,17,18	10			8,10,11,12
					2
ZYFXYK	PowerPlex® Fusion				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
3e	10	12,13,14,15	14,16	17,18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22	9,11,12,15	7,10,11,12		6,7,9
	16,17,18	10			8,10,11,12

TABLE 1

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

Item 3sp - STR Results

223PQG	PowerPlex® Fusion 6C (STRmix v2.5.11)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
292CHG	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
2DTQZV	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
2DUHWH	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
2FHVXA	PowerPlex® Fusion 6C (DNAxs)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18	10	18	17	
2L6KFX	GlobalFiler™ (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
34L94J	PowerPlex® Fusion 5C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			

TABLE 1

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

Item 3sp - STR Results

3H27AK	GlobalFiler™ (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
3MDCM6	PowerPlex® Fusion 6C (STRmix™ 2.9.0)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18	10	18	17	
3MXXFV	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13,14	16	18,21	11,13
	12,13	14,15.2	30,31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
42ATBH	PowerPlex® Fusion 6C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
43NEKK	PowerPlex® Fusion 6C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
44FFMM	PowerPlex® Fusion 6C (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13,19	14,15.2	31,32.2	15,17	X,Y
	21,22	9,12,15	7,10	17,30.2	6,9
	18	10	18	17	
4URHWG	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

Item 3sp - STR Results

4VPTU7	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
4WW7FD	GlobalFiler™ (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
62R2WR	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
6LW2M4	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
79LTHQ	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
7PRTQU	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
7PUKMG	PowerPlex® Fusion 6C (STRmix v2.5.11)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	[14],16	18,21	11,[12],13
	12,13	14,15.2	31,32.2	15,15	X,Y
	[19],21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	

TABLE 1

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

Item 3sp - STR Results

7X2G6T	GlobalFiler™					
		16	24,25	11,14	13,15	11,12
3sp		10	12,13	16	18,21	11,13
		12,13	14,15.2	31,32.2	15	X,Y
		21,22		17,30.2	6,9	11,12
		18	10		2	
8ACACY	PowerPlex® Fusion 6C (STRmix)					
		12,16	23,24,25	11,14	13,15	10,11,12
3sp		10	12,13,14,15	14,16	17,18,21	11,12,13
		12,13,19	14,15.2	29,30,31,32.2	15,17	X,Y
		19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2	6,7,9
		16,17,18	10	18	17	8,10,11,12
8FEL4P	GlobalFiler™					
		16	24,25	11,14	13,15	11,12
3sp		10	12,13	16	18,21	11,13
		12,13	14,15.2	31,32.2	15	X,Y
		21,22		17,30.2	6,9	11,12
		18	10		2	
8GBW2D	GlobalFiler™					
		16	24,25	11,14	13,15	11,12
3sp		10	12,13	16	18,21	11,13
		12,13	14,15.2	31,32.2	15	X,Y
		21,22		17,30.2	6,9	11,12
		18	10		2	
8GWARC	GlobalFiler™ (STRmix)					
		16	24,25	11,14	13,15	11,12
3sp		10	12,13	16	18,21	11,13
		12,13	14,15.2	31,32.2	15	X,Y
		21,22		17,30.2	6,9	11,12
		18	10		2	
8L7Q2Z	PowerPlex® Fusion 6C (STRmix)					
		16	24,25	11,14	13,15	11,12
3sp		10	12,13	16	18,21	11,13
		12,13	14,15.2	31,32.2	15	X,Y
		19,21,22	12,15	7,10,12	17,30.2	6,9
		18	10	18	17	11,12
8PNL7D	PowerPlex® Fusion					
		16,16	24,25	11,14	13,15	11,12
3sp		10,10	12,13	16,16	18,21	11,13
		12,13	14,15.2	31,32.2	15,15	X,Y
		21,22	12,15	7,10	6,9	11,12
		18,18	10			

TABLE 1

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

Item 3sp - STR Results

8XHVC3	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
8ZLN72	PowerPlex® Fusion 6C (STRmix 2.9)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	19,21,22	12,15	7,10	17,30.2	6,9
	18	10	18	17	
94G34B	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
9A8ATB	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
9AW98C	PowerPlex® Fusion				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			
9UXLFA	PowerPlex® Fusion				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			
A98NEA	PowerPlex® Fusion				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			

TABLE 1

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

Item 3sp - STR Results

AAPHDY	PowerPlex® Fusion 6C (STRMIX)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22	12,15	7,10	17,30.2
		18	10	18	17
ADNYLL	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22		17,30.2	6,9
		18	10		2
AFRPW9	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	3sp	10,10	12,13	16,16	18,21
		12,13	14,15.2	31,32.2	15,15
		21,22	12,15	7,10	17,30.2
		18,18	10	18	17
AGM8YA	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	3sp	10,10	12,13	16,16	18,21
		12,13	14,15.2	31,32.2	15,15
		21,22	12,15	7,10	17,30.2
		18,18	10	18	17
AKLN6C	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	3sp	10,10	12,13	16,16	18,21
		12,13	14,15.2	31,32.2	15,15
		21,22	12,15	7,10	17,30.2
		18,18	10	18	17
AQA9CX	PowerPlex® Fusion 6C (STRmix v2.9)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22	12,15	7,10	17,30.2
		18	10	18	17
ATE23Q	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22		17,30.2	6,9
		18	10		2

TABLE 1

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

Item 3sp - STR Results

B6PTAW	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
B8GMB8	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
BAHVAP	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10		2	
BAKM6C	PowerPlex® Fusion 5C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			
BCQ9VX	GlobalFiler™				
3sp	16,17	23,24,25	11,14	13,15	11,12
	10,10	12,13,14	14,16	18,19,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,17	X,Y
	21,22			15,17,30.2	6,7,9
	16,18	10		2	
BD6DTW	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
BQ4JJK	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10		2	

TABLE 1

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

Item 3sp - STR Results

BV4P3W	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
CET9TA	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
CKJH49	PowerPlex® Fusion 5C				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			11,12
CRFFQB	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			11,12
CZAKJC	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
CZN67U	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
D92HJJ	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12

TABLE 1

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

Item 3sp - STR Results

DKU23V	Identifiler® Plus	24,25	13,15	11,12	
3sp	10,10	12,13		11,13	11,13
	12,13	14,15.2	31,32.2	X,Y	11,11
	21,22			6,9	11,12
	18,18				
DLBQT3	GlobalFiler™	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22		17,30.2	6,9	11,12
	18,18	10		2	
DUKF9M	GlobalFiler™ (STRmix)	24,25	11,14	13,15	11,12
3sp	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22		17,30.2	6,9	11,12
	18	10		2	
DX2T64	PowerPlex® Fusion 6C	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
E3U8A6	PowerPlex® Fusion 6C	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
E4L7M3	GlobalFiler™ (STRmix)	24,25	11,14	13,15	11,12
3sp	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22		17,30.2	6,9	11,12
	18	10		2	
ECH3B7	PowerPlex® Fusion	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,14
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	6,9	11,12
	18,18	10			

TABLE 1

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

Item 3sp - STR Results

EKADML	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
EN84M7	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
EQCPCR	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
EUCZ9R	PowerPlex® Fusion 6C (STRmix)				
	12,16	24,25	11,14	13,15	11,12
	10	12,13,14,15	14,16	18,21	11,12,13
	12,13	14,15.2	29,31,32.2	15	X,Y
	19,21,22	9,12,15	7,10,11,12	17,30.2	6,9
	18	10	18	17	
EVVKH6	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
EYUVD6	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
F43LAJ	PowerPlex® Fusion 5C				
	16	24,25	11,14	13,15	[11]
	10	12,13	16	18,21	11,13
	12,13	14,15.2	[32.2]	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			11,12

TABLE 1

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

Item 3sp - STR Results

F83W84	PowerPlex® Fusion					
	16	24,25	11,14	13,15	11,12	
3sp	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22	12,15	7,10		6,9	11,12
	18	10				
FA8KK9	PowerPlex® Fusion 5C					
	16,16	24,25	11,14	13,15	11,12	
3sp	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22	12,15	7,10		6,9	11,12
	18,18	10				
FFW326	GlobalFiler™					
	16	24,25	11,14	13,15	11,12	
3sp	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
FQRBK9	GlobalFiler™ (STRmix)					
	16,16	24,25	11,14	13,15	11,12	
3sp	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22			17,30.2	6,9	11,12
	18,18	10			2	
FZHRF4	PowerPlex® Fusion 6C					
	16,16	24,25	11,14	13,15	11,12	
3sp	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22	12,15	7,10	17,30.2	6,9	11,12
	18,18	10	18	17		
G34VM2	PowerPlex® Fusion 6C (STRmix V2.5.11)					
	16,16	24,25	11,14	13,15	11,12	
3sp	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22	12,15	7,10	17,30.2	6,9	11,12
	18,18	10	18	17		
G4CAQ2	GlobalFiler™ (STRmix)					
	16	24,25	11,14	13,15	11,12	
3sp	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	

TABLE 1

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

Item 3sp - STR Results

G7ZLRR	PowerPlex® Fusion 6C (STRmix v2.9)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22	12,15	7,10	17,30.2
		18	10	18	17
GBUL2G	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	3sp	10,10	12,13	16,16	18,21
		12,13	14,15.2	31,32.2	15,15
		21,22		17,30.2	6,9
		18,18	10		2
GCP44H	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	3sp	10,10	12,13	16,16	18,21
		12,13	14,15.2	31,32.2	15,15
		21,22		17,30.2	6,9
		18,18	10		2
GEVPT4	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13	14,15.2	31,32.2	15
		21,22	12,15	7,10	6,9
		18	10		
GHWKRP	PowerPlex® Fusion 6C (STRmix)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	16	18,21
		12,13,19	14,15.2	29,31,32.2	15
		21,22	12,15	7,10,12	17,30.2
		18	10	18	17
GY7GXQ	PowerPlex® Fusion 6C (STRmix)				
	12,15.3,16	23,24,25	11,14	13,15	10,11,12
	3sp	10	12,13,14,15	14,16	17,18,20,21
		12,13,19	14,15.2	29,30,31,32.2	15,17
		19,21,22	9,11,12,15	7,10,11,12	15,17,21,30.2
		16,17,18	10	18	17
GYGJJP	PowerPlex® Fusion 6C (STRmix)				
	16	24,25	11,14	13,15	11,12
	3sp	10	12,13	14,16	18,21
		12,13	14,15.2	31,32.2	15,17
		21,22	12,15	7,10	17,30.2
		18	10	18	17

TABLE 1

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

Item 3sp - STR Results

H4TQJ9	GlobalFiler™ (TrueAllele)				
	12,16	23,24,25	11,14	13,15	10,11,12
3sp	10	12,13	14,16	17,18,21	11,12,13
	12,13,19	14,15.2	30,31,32.2	15,16,17	X,Y
	21,22			15,17,30.2	6,9
	17,18	10			10,11,12
					2
HAFG3H	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
3sp	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12
					2
HF9FJY	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			11,12
					2
HJ3C76	Investigator® 24plex QS (STRmix)				
	16,16	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			11,12
					2
HJ729G	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
3sp	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12
					2
HKE8NQ	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
3sp	10	12,13	14,16	18,21	11,13
	12,13,19	14,15.2	31,32.2	15,17	X,Y
	21,22			17,21,30.2	6,9
	18	10			11,12
					2
HWU2ZJ	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
3sp	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			11,12
					2

TABLE 1

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

Item 3sp - STR Results

HX8NHX	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
HZ77D6	Investigator® 24plex QS				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			
JMYHZ2	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
JUHL84	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
JUHNX8	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
KJXUWY	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
KWJ8EZ	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

Item 3sp - STR Results

L7NFDD	PowerPlex® Fusion 5C					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22	12,15	7,10		6,9	11,12
	18	10				
LBGHGC	GlobalFiler™					
3sp	16	24,25	11,14	13,15	10,11,12	
	10	12,13	14,16	18,21	11,12,13	8,11,13
	12,13	14,15.2	30,31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
LBJBDY	GlobalFiler™					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
LFTNVX	PowerPlex® Fusion					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22	12,15	7,10		6,9	11,12
	18	10				
LJVLAW	PowerPlex® Fusion					
3sp	16,16	24,25	11,14	13,15	11,12	
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22	12,15	7,10		6,9	11,12
	18,18	10				
LP3XKC	GlobalFiler™					
3sp	16,16	24,25	11,14	13,15	11,12	
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22			17,30.2	6,9	11,12
	18,18	10			2	
LT29FC	GlobalFiler™					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	

TABLE 1

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

Item 3sp - STR Results

LTWRHD	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
LYNWD3	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
M8X39W	Investigator® 24plex QS (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13,19	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			
MEEJWZ	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
MEX6TW	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
MHEURZ	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
MWVP7B	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	--	--	17,30.2	6,9
	18,18	10	--	--	2

TABLE 1

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

Item 3sp - STR Results

MYXKRY	PowerPlex® Fusion 6C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
N3F6A9	GlobalFiler™ (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13,15	16	18,21	11,13
	12,13	14,15.2	31,32.2	15,17	X,Y
	19,21,22			17,30.2	6,9
	16,18	10			2
NC7NWU	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
NEBDUW	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
NNGYKJ	PowerPlex® Fusion 6C (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	29,31,32.2	15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18	10	18	17	
NTUWUR	GlobalFiler™ (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
P62B8A	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

Item 3sp - STR Results

PAV66B	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
PDTKXT	PowerPlex® Fusion 6C (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
PMHD4X	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
PP6WA2	PowerPlex® Fusion 6C (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13,19	14,15.2	29,31,32.2	15	X,Y
	21,22	9,12,15	7,10	17,30.2	6,9
	18	10	18	17	
PT63N8	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
Q3RLJR	PowerPlex® Fusion 5C				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
Q6FT9V	PowerPlex® Fusion 5C				
	16	24,25	11,14	13,15	[11]
	10	12,13	16	18,21	[11]
	12,13	14,15.2		15	X,Y
	21,22	12,15	7,10		6,9
	18	10			

TABLE 1

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

Item 3sp - STR Results

Q9DEVR	PowerPlex® Fusion 6C, GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18				11,12
QEK39T	PowerPlex® Fusion				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			11,12
QHHNZV	GlobalFiler™				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			11,12
QRTQLW	PowerPlex® Fusion 5C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10		6,9
	18,18	10			11,12
R7KZNT	Investigator® 24plex QS				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12
R9WKTW	GlobalFiler™				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,[12],13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	[16],18	10			11,12
RK7FRR	GlobalFiler™ (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12

TABLE 1

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

Item 3sp - STR Results

RN6QMR	GlobalFiler™ (STRMIX)					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
RZJPDU	GlobalFiler™					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
TEF8Z7	GlobalFiler™					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
TFPCDV	GlobalFiler™					
3sp	16,16	24,25	11,14	13,15	11,12	
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22			17,30.2	6,9	11,12
	18,18	10			2	
TJNRN4	GlobalFiler™					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
TJPKKQ	PowerPlex® Fusion					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22	12,15	7,10		6,9	11,12
	18	10				
TNHLL6	GlobalFiler™					
3sp	16,16	24,25	11,14	13,15	11,12	
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22			17,30.2	6,9	11,12
	18,18	10			2	

TABLE 1

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

Item 3sp - STR Results

TWEJ98	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
U7JN2N	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
U8UTED	PowerPlex® Fusion 6C (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15,17	X,Y
	19,21,22	12,15	7,10	17,30.2	6,9
	18	10	18	17	
UM78R4	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
UMJ2AP	PowerPlex® Fusion				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10		6,9
	18	10			
UWAG2E	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
V47GDL	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2

TABLE 1

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

Item 3sp - STR Results

V4R86L	GlobalFiler™ (STRMix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
VCJR4R	GlobalFiler™				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	[30],31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
VDXWZ6	GlobalFiler™				
3sp	12,[15.3],16	[23],24,[25]	11,[14]	[13],15	10,[11],12
	10	12,13,14,15	14,16	17,18,20,21	[11],12,[13]
	[12],[13],19	14,[15.2]	29,30,31,32.2	15,[16],[17]	X,[Y]
	[19],21,[22]			15,17,21,30.2	6,[7],[9]
	[16],[17],18	10			2
VGEE2M	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
VNRBZ2	GlobalFiler™ (STRmix v2.7.0)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
VWPZJQ	PowerPlex® Fusion 6C (STRmix V2.5.11)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	[16],18	10	18	17	
VZP6G6	GlobalFiler™ (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

Item 3sp - STR Results

W4JK6J	GlobalFiler™ (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
WCYCNP	GlobalFiler™ (STRmix)				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22			17,30.2	6,9
	18,18	10			2
WEMLZC	PowerPlex® Fusion 6C (STRmix)				
	12,16	24,25	11,14	13,15	11,12
	10	12,13	14,16	18,21	11,13
	12,13	14,15.2	29,31,32.2	15	X,Y
	21,22	12,15	7,10	17,30.2	6,7,9
	18	10	18	17	
WKTGGQ	PowerPlex® Fusion 6C				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	
WMGQTD	GlobalFiler™ (STRMix)				
	12,16	23,24,25	11,14	13,15	10,11,12
	10	12,13	14,16	18,20,21	11,12,13
	12,13,19	14,15.2	29,30,31,32.2	15,16,17	X,Y
	19,21,22			17,30.2	6,9
	18	10			2
WRNJJ3	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
WT3NHZ	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

Item 3sp - STR Results

WVCTVN	GlobalFiler™				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12
3sp				2	
WVPMBN	PowerPlex® Fusion 5C				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	6,9	11,11
	18,18	10			11,12
X2ULK1	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
XBWYH9	PowerPlex® Fusion 6C (STRMix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
XD8LE2	PowerPlex® Fusion 5C				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22	12,15	7,10	6,9	11
	18	10			11,12
XFFTML	PowerPlex® Fusion 6C (STRmix)				
3sp	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	12,15	7,10	17,30.2	6,9
	18,18	10	18	17	11,12
XJR2KJ	GlobalFiler™ (STRmix)				
3sp	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			11,12
3sp				2	

TABLE 1

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

Item 3sp - STR Results

XY7AJ3	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
Y4V42L	Investigator® 24plex QS (STRMix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
YHC4PY	GlobalFiler™				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
YHUTCZ	GlobalFiler™				
	16,16	24,25	11,14	13,15	11,12
	10,10	12,13	16,16	18,21	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y
	21,22	--	--	17,30.2	6,9
	18,18	10	--	--	2
YMRCFJ	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
YRKDHY	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2
ZDYFU9	GlobalFiler™ (STRmix)				
	16	24,25	11,14	13,15	11,12
	10	12,13	16	18,21	11,13
	12,13	14,15.2	31,32.2	15	X,Y
	21,22			17,30.2	6,9
	18	10			2

TABLE 1

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

ZLQ2V2	GlobalFiler™					
3sp	16,16	24,25	11,14	13,15	11,12	
	10,10	12,13	16,16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15,15	X,Y	11,11
	21,22			17,30.2	6,9	11,12
	18,18	10			2	
ZQKT7J	GlobalFiler™ (STRmix)					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			17,30.2	6,9	11,12
	18	10			2	
ZRVURH	GlobalFiler™ (STRmix)					
3sp	16,17	24,25	11,14	13,15,16	11,12	
	10	12,13	14,16	18,21	11,12,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22			15,17,30.2	6,9	11,12
	16,18,19	10			2	
ZYFXYK	PowerPlex® Fusion					
3sp	16	24,25	11,14	13,15	11,12	
	10	12,13	16	18,21	11,13	11,13
	12,13	14,15.2	31,32.2	15	X,Y	11
	21,22	12,15	7,10		6,9	11,12
	18	10				

TABLE 1

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

Item 4 - STR Results

223PQG	PowerPlex® Fusion 6C (STRmix v2.5.11)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
292CHG	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
2DTQZV	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
2DUHWH	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
2FHVXA	PowerPlex® Fusion 6C (DNAxs)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16	10	18	18	
2L6KFX	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
34L94J	PowerPlex® Fusion 5C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			

TABLE 1

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

Item 4 - STR Results

3H27AK	GlobalFiler™ (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
3MDCM6	PowerPlex® Fusion 6C (STRmix™ 2.9.0)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16	10	18	18	
42ATBH	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
43NEKK	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
44FFMM	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
4URHWG	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
4VPTU7	GlobalFiler™ (STRMIX)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2

TABLE 1

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

Item 4 - STR Results

4WW7FD	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
62R2WR	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
6LW2M4	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
79LTHQ	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
7PRTQU	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
7PUKMG	PowerPlex® Fusion 6C (STRmix v2.5.11)					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18	18	8,12
7X2G6T	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	

TABLE 1

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

Item 4 - STR Results

8ACACY	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
8FEL4P	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
8GBW2D	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
8GWARC	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
8L7Q2Z	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
8PNL7D	PowerPlex® Fusion				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	inc	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
8XHVC3	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,31	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			8,12

TABLE 1

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

8ZLN72	PowerPlex® Fusion 6C (STRmix 2.9)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		
94G34B	PowerPlex® Fusion					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
9A8ATB	PowerPlex® Fusion 6C					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
9AW98C	PowerPlex® Fusion					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
9UXLFA	PowerPlex® Fusion					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
A98NEA	PowerPlex® Fusion					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
AAPHDY	PowerPlex® Fusion 6C (STRMIX)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16	10	18	18		

TABLE 1

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

Item 4 - STR Results

ADNYLL	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
AFRPW9	PowerPlex® Fusion 6C (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
AGM8YA	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
AKLN6C	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
AQA9CX	PowerPlex® Fusion 6C (STRmix v2.9)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16	10	18	18	
ATE23Q	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
B6PTAW	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	

TABLE 1

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

Item 4 - STR Results

B8GMB8	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
BAHVAP	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
BAKM6C	PowerPlex® Fusion 5C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
BD6DTW	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
BQ4JJK	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
BV4P3W	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
CET9TA	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12

TABLE 1

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

CFPJQX	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
CKJH49	PowerPlex® Fusion 5C					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
CRFFQB	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
CZAKJC	PowerPlex® Fusion 6C (STRmix v2.5.11)					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
CZN67U	PowerPlex® Fusion 6C					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
D92HJJ	GlobalFiler™					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
DKU23V	Identifiler® Plus					
4		19,22		16,17	12,13	
	10,10	11,12			12,14	9,12
	13,14	13,13	30,30		X,Y	11,11
	23,24				7,9.3	8,12
	16,16					

TABLE 1

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

Item 4 - STR Results

DLBQT3	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
DNQQJ3	PowerPlex® Fusion 6C (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
DUKF9M	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
DX2T64	PowerPlex® Fusion 6C (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
E3U8A6	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
E4L7M3	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
ECH3B7	PowerPlex® Fusion				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	18,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			

TABLE 1

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

Item 4 - STR Results

EKADML	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
EN84M7	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
EQCPCR	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
EUCZ9R	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
EVVKH6	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
EYUVD6	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
F43LAJ	PowerPlex® Fusion 5C				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			

TABLE 1

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

Item 4 - STR Results

F83W84	PowerPlex® Fusion				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
FA8KK9	PowerPlex® Fusion 5C (STRmix v2.5.11)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
FFW326	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
FQRBK9	GlobalFiler™ (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
FZHRF4	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
G34VM2	PowerPlex® Fusion 6C (STRmix V2.5.11)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
G4CAQ2	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 4 - STR Results

G7ZLRR	PowerPlex® Fusion 6C (STRmix v2.9)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16	10	18	18	8,12
GCP44H	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
GEVPT4	PowerPlex® Fusion				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
GHWRKP	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
GY7GXQ	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
GYGJJP	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
H4TQJ9	GlobalFiler™ (TrueAllele)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
					2

TABLE 1

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

Item 4 - STR Results

HAFG3H	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
HF9FJY	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
HJ3C76	Investigator® 24plex QS (STRmix)					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10			
HJ729G	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
HKE8NQ	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
HWU2ZJ	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
HX8NHX	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	

TABLE 1

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

Item 4 - STR Results

HZ77D6	Investigator® 24plex QS					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	11,11
		16,16	10			8,12
JMYHZ2	PowerPlex® Fusion					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	11
		16	10			8,12
JUHL84	PowerPlex® Fusion 6C					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18		8,12
JUHNX8	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	11,11
		16,16	10			8,12
KJXUWY	PowerPlex® Fusion					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	11
		16	10			8,12
KWJ8EZ	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	11
		16	10			8,12
L7NFDD	PowerPlex® Fusion 5C					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15	7,9.3	11
		16	10			8,12

TABLE 1

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

Item 4 - STR Results

LBGHGC	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24			18,19	7,9.3
		16,16	10			2
LBJBDY	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2
LFTNVX	PowerPlex® Fusion					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24	10,11	10,15		7,9.3
		16	10			8,12
LJVLAW	PowerPlex® Fusion					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15		7,9.3
		16,16	10			8,12
LP3XKC	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24			18,19	7,9.3
		16,16	10			2
LT29FC	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
4		10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24			18,19	7,9.3
		16	10			2
LTWRHD	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
4		10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24			18,19	7,9.3
		16,16	10			2

TABLE 1

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

Item 4 - STR Results

LYNWD3	PowerPlex® Fusion 6C (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
M8X39W	Investigator® 24plex QS (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			
MEEJWZ	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
MEX6TW	PowerPlex® Fusion				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			
MHEURZ	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
MYXKRY	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
N3F6A9	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 4 - STR Results

NC7NWU PowerPlex® Fusion 6C

4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		

NEBDUW GlobalFiler™

4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

NNGYKJ PowerPlex® Fusion 6C

4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		

NTUWUR GlobalFiler™

4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

P62B8A GlobalFiler™ (STRmix)

4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

PAV66B GlobalFiler™

4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

PDTKXT PowerPlex® Fusion 6C

4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		

TABLE 1

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

Item 4 - STR Results

PMHD4X	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
PP6WA2	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
PT63N8	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
Q3RLJR	PowerPlex® Fusion 5C				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			
Q4NY7K	PowerPlex® Fusion				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
Q9DEVR	PowerPlex® Fusion 6C, GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
		10,11	10,15	18,19	7,9.3
	16			23,24	
QEK39T	PowerPlex® Fusion				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			

TABLE 1

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

Item 4 - STR Results

QHHNZV	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
QRTQLW	PowerPlex® Fusion 5C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
R7KZNT	Investigator® 24plex QS				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
R9WKTW	GlobalFiler™				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
RK7FRR	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
RN6QMR	GlobalFiler™ (STRMIX)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
RZJPDU	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 4 - STR Results

TEF8Z7	GlobalFiler™					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
TFPCDV	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
4	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
TJNRN4	GlobalFiler™					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
TJPKKQ	PowerPlex® Fusion					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
TNHLL6	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
4	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
TWEJ98	GlobalFiler™					
	14,15	19,22	11,11	16,17	12,13	
4	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
U7JN2N	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

TABLE 1

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

Item 4 - STR Results

U8UTED	PowerPlex® Fusion 6C					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15	18,19	7,9.3	8,12
	16,16	10	18	18		
UM78R4	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
UMJ2AP	PowerPlex® Fusion					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				
UQ7DBF	PowerPlex® Fusion SYSTEM					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	10,11	10,15		7,9.3	8,12
	16,16	10				
UWAG2E	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
V47GDL	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	
V4R86L	GlobalFiler™ (STRMix)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	

TABLE 1

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

Item 4 - STR Results

VCJR4R	GlobalFiler™					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	
VDXWZ6	GlobalFiler™					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
VGEE2M	PowerPlex® Fusion 6C (STRmix)					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18		8,12
VNRBZ2	GlobalFiler™ (STRmix v2.7.0)					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
VWPZJQ	PowerPlex® Fusion 6C (STRmix V2.5.11)					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24	10,11	10,15	18,19	7,9.3
		16,16	10	18		8,12
VZP6G6	GlobalFiler™ (STRmix)					
		14,15	19,22	11	16,17	12,13
	4	10	11,12	13	20	12,14
		13,14	13	30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16	10		2	
W4JK6J	GlobalFiler™ (STRmix)					
		14,15	19,22	11,11	16,17	12,13
	4	10,10	11,12	13,13	20,20	12,14
		13,14	13,13	30,30	16,17	X,Y
		23,24		18,19	7,9.3	8,12
		16,16	10		2	

TABLE 1

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

Item 4 - STR Results

WCYCNP	GlobalFiler™ (STRmix)				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
WEMLZC	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
WKTGGQ	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	
WMGQTD	GlobalFiler™ (STRMix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
WRNJJ3	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
WT3NHZ	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2
WVCTVN	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			2

TABLE 1

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

Item 4 - STR Results

WVPMBN	PowerPlex® Fusion 5C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16,16	10			8,12
X2ULKT	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
XBWYH9	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
XD8LE2	PowerPlex® Fusion 5C				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12
XFFTML	PowerPlex® Fusion 6C				
4	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	10,11	10,15	18,19	7,9.3
	16,16	10	18	18	8,12
XJR2KJ	GlobalFiler™ (STRmix)				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12
XY7AJ3	GlobalFiler™				
4	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24			18,19	7,9.3
	16	10			8,12

TABLE 1

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

Y4V42L	Investigator® 24plex QS					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10				
YHC4PY	GlobalFiler™					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
YHUTCZ	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	--
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24	--	--	18,19	7,9.3	8,12
	16,16	10	--	--	2	
YMRCEJ	GlobalFiler™ (STRmix)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
YRKDHY	GlobalFiler™ (STRmix)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
ZDYFU9	GlobalFiler™ (STRmix)					
4	14,15	19,22	11	16,17	12,13	
	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
ZLQ2V2	GlobalFiler™					
4	14,15	19,22	11,11	16,17	12,13	
	10,10	11,12	13,13	20,20	12,14	9,12
	13,14	13,13	30,30	16,17	X,Y	11,11
	23,24			18,19	7,9.3	8,12
	16,16	10			2	

TABLE 1

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

ZQKT7J	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
ZRVURH	GlobalFiler™ (STRmix)					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24			18,19	7,9.3	8,12
	16	10			2	
ZYFXYK	PowerPlex® Fusion					
	14,15	19,22	11	16,17	12,13	
4	10	11,12	13	20	12,14	9,12
	13,14	13	30	16,17	X,Y	11
	23,24	10,11	10,15		7,9.3	8,12
	16	10				

TABLE 1

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

Item 4e - STR Results

3MXXFV	GlobalFiler™				
	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
BCQ9VX	GlobalFiler™				
	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
GBUL2G	GlobalFiler™				
	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24			18,19	7,9.3
	16,16	10			2
MWVP7B	GlobalFiler™				
	14,15	19,22	11,11	16,17	12,13
	10,10	11,12	13,13	20,20	12,14
	13,14	13,13	30,30	16,17	X,Y
	23,24	--	--	18,19	7,9.3
	16,16	10	--	--	2
Q6FT9V	PowerPlex® Fusion 5C				
	14,15	19,22	11	16,17	12,13
	10	11,12	13	20	12,14
	13,14	13	30	16,17	X,Y
	23,24	10,11	10,15		7,9.3
	16	10			8,12

TABLE 1

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

3MXXFV	GlobalFiler™	
4sp		
BCQ9VX	GlobalFiler™	
4sp		
GBUL2G	GlobalFiler™	
4sp		
MWVP7B	GlobalFiler™	
4sp		
Q6FT9V	PowerPlex® Fusion 5C	
4sp		

YSTR Amplification Kit(s) & Results

TABLE 2

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

223PQG	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		27
		11	13	18	18		21	13	11
292CHG	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		27
		11	13	18	18		21	13	11
341L94J	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		27
		11	13	18	18		21	13	11
42ATBH	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		27
		11	13	18	18		21	13	11
44FFMM	Yfiler™								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		
							21		11
4URHWG	Yfiler™								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		
							21		11
4WW7FD	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
	2	14	9	12	19	30	16	17	11
	38	11		18	18	23	21		11
6LW2M4	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
	2	14	9	12	19	30	16	17	11
	38	11		18	18	23	21		11
7PRTQU	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
	2	14	9	12	19	30	16	17	11
	38	11		18	18	23	21		11
7X2G6T	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		27
		11	13	18	18		21	13	11
8ACACY	Yfiler™								
		14	15,18	13	30	23	10	15	14
	2	14	9	12	19	16	17		
							21		11

TABLE 2

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

8GBW2D	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
8GWARC	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
8L7Q2Z	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
8PNL7D	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
94G34B	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
9A8ATB	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
9AW98C	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
9UXLFA	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
A98NEA	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
AAPHDY	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
ADNYLL	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
AFRPW9	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11

TABLE 2

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										
AGM8YA	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
B6PTAW	Yfiler™									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17			
							21		11	
B8GMB8	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
BD6DTW	Yfiler™									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17			
							21		11	
BV4P3W	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
2		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
CET9TA	Yfiler™									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17			
							21		11	
CFPJQX	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
2		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
CKJH49	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
2		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
CZAKJC	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
2		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
CZN67U	Yfiler™									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17			
							21		11	
DLBQT3	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
2		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
DNQQJ3	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
2		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	

TABLE 2

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										
DUKF9M		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
DX2T64		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
E3U8A6		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
ECH3B7		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
EKADML		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
EN84M7		Yfiler™								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		
								21		11
EQCPCR		Yfiler™								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		
								21		11
EUCZ9R		Yfiler™								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		
								21		11
EVVKH6		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
EYUVD6		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
F83W84		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
FA8KK9		PowerPlex® Y 23								
2			14	15,18	13	30	23	10	15	14
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11

TABLE 2

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										
FFW326	Yfiler™		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		
								21		11
FQRBK9	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
FZHRF4	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
G34VM2	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
G4CAQ2	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
GEVPT4	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
GHWRKP	Yfiler™		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		
								21		11
GY7GXQ	Yfiler™		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		
								21		11
GYGJJP	Yfiler™		14	15,18	13	30	23	10	15	14
2		14	9	12	19		16	17		
								21		11
H4TQJ9	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
HAFG3H	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
HF9FJY	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
2		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11

TABLE 2

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										
HJ729G	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
HWU2ZJ	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27,[28]	
	38	11		18	18	23	21		11	
HX8NHX	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
HZ77D6	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
JMYHZ2	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
KJXUWY	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
KWJ8EZ	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
LBJBDY	Yfiler™									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
LFTNVX	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
LJVLAW	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
LPYB86	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
LYNWD3	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	

TABLE 2

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										
MEX6TW	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
MYXKRY	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
NC7NWU	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
NNGYKJ	Yfiler™									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
NTUWUR	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
P62B8A	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
PAV66B	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27,[28]	
	38	11		18	18	23	21		11	
PDTKXT	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
PP6WA2	Yfiler™									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
Q4NY7K	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
Q9DEVR	PowerPlex® Y 23									
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
QEK39T	Yfiler™ Plus									
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	

TABLE 2

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

QHHNZV		PowerPlex® Y 23								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
RZJPDU		Yfiler™								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
TEF8Z7		PowerPlex® Y 23								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
TJPKKQ		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
TWEJ98		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27,[28]	
	38	11		18	18	23	21		11	
U7JN2N		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
U8UTED		Yfiler™								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
UMJ2AP		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
V47GDL		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27,[28]	
	38	11		18	18	23	21		11	
VDXWZ6		Yfiler™ Plus								
2	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
VGEE2M		PowerPlex® Y 23								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
VWPZJQ		PowerPlex® Y 23								
2		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	

TABLE 2

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

VZP6G6	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
W4JK6J	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
WEMLZC	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
WMGQTD	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
WRNJJ3	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
WT3NHZ	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
WWCTVN	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
X2ULK1	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
XBWYH9	Yfiler™								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		
							21		11
XFFTML	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
2	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
XJR2KJ	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
XY7AJ3	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
2	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11

TABLE 2

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										
YHC4PY		PowerPlex® Y 23								
2		14	15,18	13	30	23	10	15	14	
		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
YMRCFJ		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
ZLQ2V2		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27,[28]
		38	11		18	18	23	21		11
ZQKT7J		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
ZRVURH		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
ZYFXYK		Yfiler™ Plus								
2		36,37	14	15,18	13	30	23	10	15	14
		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11

TABLE 2

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										
CFPJQX	Yfiler™ Plus									
3	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
DNQQJ3	PowerPlex® Y 23									
3		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
HX8NHX	Yfiler™ Plus									
3	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
Q4NY7K	PowerPlex® Y 23									
3		14	12.2,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	

TABLE 2

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

Item 3e - YSTR Results

223PQG PowerPlex® Y 23

3e

292CHG PowerPlex® Y 23

3e

34L94J PowerPlex® Y 23

3e

	14	13,16	13	30	23	10	11	12
14	9	11	21	16	17.2			25
	11	13	18	17		21	9	11

42ATBH PowerPlex® Y 23

3e

	14	13,16	13	30	23	10	11	12
14	9	11	21	16	17.2			25
	11	13	18	17		21	9	11

44FFMM Yfiler™

3e

4URHWG Yfiler™

3e

	14	13,16	13	30	23	10	11	12
14	9	11	21	16	17.2			
						21		11

4WW7FD Yfiler™ Plus

3e

37,38	14	13,16	13	30	23	10	11	12
14	9	11	21	26	16	17.2	11	25
40	11		18	17	22	21		11

6LW2M4 Yfiler™ Plus

3e

7PRTQU Yfiler™ Plus

3e

37,38	14	13,16	13	30	23	10	11	12
14	9	11	21	26	16	17.2	11	25
40	11		18	17	22	21		11

7X2G6T PowerPlex® Y 23

3e

	14	13,16	13	30	23	10	11	12
14	9	11	21	16	17.2			25
	11	13	18	17		21	9	11

8ACACY Yfiler™

3e

8GBW2D Yfiler™

3e

	14	13,16	13	30	23	10	11	12
14	9	11	21	16	17.2			
						21		11

TABLE 2

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

Item 3e - YSTR Results

8GWARC	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
8L7Q2Z	Yfiler™								
3e									
8PNL7D	PowerPlex® Y 23								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
94G34B	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
9AW98C	PowerPlex® Y 23								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
9UXLFA	PowerPlex® Y 23								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
A98NEA	PowerPlex® Y 23								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
AAPHDY	PowerPlex® Y 23								
3e									
ADNYLL	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
AFRPW9	PowerPlex® Y 23								
3e									
AGM8YA	PowerPlex® Y 23								
3e									
B6PTAW	Yfiler™								
3e									

TABLE 2

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

Item 3e - YSTR Results

B8GMB8	PowerPlex® Y 23								
3e									
BD6DTW	Yfiler™								
3e									
BV4P3W	Yfiler™ Plus								
3e									
CET9TA	Yfiler™								
3e	14	14	13,16	13	30	23	10	11	12
		9	11	21		16	17.2		
							21		11
CKJH49	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
CZAKJC	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
CZN67U	Yfiler™								
3e									
DLBQT3	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
DUKF9M	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
DX2T64	PowerPlex® Y 23								
3e									
ECH3B7	PowerPlex® Y 23								
3e	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT
	NT	NT	NT	NT	NT	NT	NT	NT	NT
EKADML	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11

TABLE 2

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

Item 3e - YSTR Results

EN84M7	Yfiler™								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		
							21		11
EQCPCR	Yfiler™								
3e									
EUCZ9R	Yfiler™								
3e									
EVVKH6	PowerPlex® Y 23								
3e									
EYUVD6	PowerPlex® Y 23								
3e									
F83W84	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
FA8KK9	PowerPlex® Y 23								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
FFW326	Yfiler™								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		
							21		11
FQRBK9	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
G34VM2	PowerPlex® Y 23								
3e									
G4CAQ2	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
GEVPT4	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11

TABLE 2

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

Item 3e - YSTR Results

GHWRKP	Yfiler™								
3e									
GY7GXQ	Yfiler™								
3e									
GYGJJP	Yfiler™								
3e	14	9	11	21			11		
						21		11	
H4TQJ9	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
HAFG3H	Yfiler™ Plus								
3e									
HF9FJY	Yfiler™ Plus								
3e									
HJ729G	PowerPlex® Y 23								
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
HWU2ZJ	Yfiler™ Plus								
3e									
HZ77D6	PowerPlex® Y 23								
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
JMYHZ2	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
KJXUWY	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
KWJ8EZ	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11

TABLE 2

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

Item 3e - YSTR Results

LBJBDY	Yfiler™								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		
							21		11
LFTNVX	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
LJVLAW	PowerPlex® Y 23								
		not tested	not tested	not tested	not tested	not tested	not tested	not tested	not tested
3e	not tested	not tested	not tested	not tested		not tested	not tested		not tested
		not tested	not tested	not tested	not tested		not tested	not tested	not tested
LYNWD3	PowerPlex® Y 23								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
MEX6TW	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
MYXKRY	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
NC7NWU	PowerPlex® Y 23								
3e									
NNGYKJ	Yfiler™								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		
							21		11
NTUWUR	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
P62B8A	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
PAV66B	Yfiler™ Plus								
3e									
PDTKXT	PowerPlex® Y 23								
3e									

TABLE 2

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

Item 3e - YSTR Results

PP6WA2	Yfiler™								
3e									
Q9DEVR	PowerPlex® Y 23								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
QEK39T	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
QHHNZV	PowerPlex® Y 23								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
RZJPDU	Yfiler™								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21		16	17.2		
							21		11
TEF8Z7	PowerPlex® Y 23								
3e									
TJPKKQ	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
TWEJ98	Yfiler™ Plus								
3e									
U7JN2N	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
U8UTED	Yfiler™								
3e									
UMJ2AP	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
V47GDL	Yfiler™ Plus								
3e									

TABLE 2

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

Item 3e - YSTR Results

VDXWZ6	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
VGEE2M	PowerPlex® Y 23								
3e									
VWPZJQ	PowerPlex® Y 23								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
VZP6G6	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
W4JK6J	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
WEMLZC	Yfiler™								
3e									
WMGQTD	Yfiler™ Plus								
3e									
WRNJJ3	PowerPlex® Y 23								
3e									
WT3NHZ	Yfiler™ Plus								
3e	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
WVCTVN	Yfiler™								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		
							21		11
X2ULK7	Yfiler™								
3e									
XBWYH9	Yfiler™								
3e		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		
							21		11

TABLE 2

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

Item 3e - YSTR Results

XFFTML	PowerPlex® Y 23								
3e									
XJR2KJ	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
XY7AJ3	Yfiler™ Plus								
3e									
YHC4PY	PowerPlex® Y 23								
		14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2		25
		11	13	18	17		21	9	11
YMRCFJ	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZLQ2V2	Yfiler™ Plus								
3e									
ZQKT7J	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZRVURH	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZYFXYK	Yfiler™ Plus								
	37,38	14	13,16	13	30	23	10	11	12
3e	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3sp - YSTR Results										
223PQG	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
292CHG	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
34L94J	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
42ATBH	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
44FFMM	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
4URHWG	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
4WW7FD	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
6LW2M4	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
7PRTQU	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
7X2G6T	PowerPlex® Y 23									
3sp										
8ACACY	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
8GBW2D	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3sp - YSTR Results										
8GWARC	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
8L7Q2Z	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
8PNL7D	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
94G34B	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
9AW98C	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
9UXLFA	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
A98NEA	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
AAPHDY	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
ADNYLL	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
AFRPW9	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
AGM8YA	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
B6PTAW	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results										
B8GMB8	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
BD6DTW	Yfiler™									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2			
							21		11	
BV4P3W	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	
CET9TA	Yfiler™									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2			
							21		11	
CKJH49	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	
CZAKJC	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	
CZN67U	Yfiler™									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2			
							21		11	
DLBQT3	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	
DUKF9M	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	
DX2T64	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
ECH3B7	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
EKADML	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results										
EN84M7	Yfiler™									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
EQCPCR	Yfiler™									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
EUCZ9R	Yfiler™									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
EVVKH6	PowerPlex® Y 23									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
EYUVD6	PowerPlex® Y 23									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
F83W84	Yfiler™ Plus									
	37,38		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
	40		11		18	17	22	21		11
FA8KK9	PowerPlex® Y 23									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
FFW326	Yfiler™									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
FQRBK9	Yfiler™ Plus									
	37,38		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
	40		11		18	17	22	21		11
G34VM2	PowerPlex® Y 23									
			14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
G4CAQ2	Yfiler™ Plus									
	37,38		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
	40		11		18	17	22	21		11
GEVPT4	Yfiler™ Plus									
	37,38		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
	40		11		18	17	22	21		11

TABLE 2

WebCode		Amplification Kit								
Item	DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393	
	DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481	
	DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4	
Item 3sp - YSTR Results										
GHWKRP	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
GY7GXQ	Yfiler™									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2			
							21		11	
GYGJJP	Yfiler™									
3sp		14	13,16	13	30	23	10		12	
						16	17.2			
H4TQJ9	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
HAFG3H	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
HF9FJY	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
HJ729G	PowerPlex® Y 23									
3sp										
HWU2ZJ	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
HZ77D6	PowerPlex® Y 23									
3sp		14	13,16	13	30	23	10	11	12	
	14	9	11	21		16	17.2		25	
		11	13	18	17		21	9	11	
JMYHZ2	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
KJXUWY	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	
KWJ8EZ	Yfiler™ Plus									
3sp	37,38	14	13,16	13	30	23	10	11	12	
	14	9	11	21	26	16	17.2	11	25	
	40	11		18	17	22	21		11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results										
LBJBDY	Yfiler™									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2			
							21		11	
LFTNVX	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
LJVLAW	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
LYNWD3	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
MEX6TW	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
MYXKRY	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
NC7NWU	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	
NNGYKJ	Yfiler™									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2			
							21		11	
NTUWUR	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
P62B8A	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
PAV66B	Yfiler™ Plus									
	37,38	14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21			11
PDTKXT	PowerPlex® Y 23									
		14	13,16	13	30	23	10	11	12	
3sp		14	9	11	21	16	17.2		25	
		11	13	18	17		21	9	11	

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results										
PP6WA2	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
Q9DEVR	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
QEK39T	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
QHHNZV	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
RZJPDU	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
TEF8Z7	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
TJPKKQ	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
TWEJ98	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
U7JN2N	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
U8UTED	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
UMJ2AP	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
V47GDL	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11

TABLE 2

WebCode		Amplification Kit								
Item		DYF387S1	DYS19	DYS385	DYS389-I	DYS389-II	DYS390	DYS391	DYS392	DYS393
		DYS437	DYS438	DYS439	DYS448	DYS449	DYS456	DYS458	DYS460	DYS481
		DYS518	DYS533	DYS549	DYS570	DYS576	DYS627	DYS635	DYS643	YGATAH4
Item 3sp - YSTR Results										
VDXWZ6	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
VGEE2M	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
VWPZJQ	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
VZP6G6	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
W4JK6J	Yfiler™ Plus									
3sp										
WEMLZC	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
WMGQTD	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
WRNJJ3	PowerPlex® Y 23		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		25
			11	13	18	17		21	9	11
WT3NHZ	Yfiler™ Plus	37,38	14	13,16	13	30	23	10	11	12
3sp		14	9	11	21	26	16	17.2	11	25
		40	11		18	17	22	21		11
WVCTVN	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
X2ULKI	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11
XBWYH9	Yfiler™		14	13,16	13	30	23	10	11	12
3sp		14	9	11	21		16	17.2		
								21		11

TABLE 2

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

Item 3sp - YSTR Results

XFFTML	PowerPlex® Y 23								
3sp		14	13,16	13	30	23	10	11	12
	14	9	11	21		16	17.2		25
		11	13	18	17		21	9	11
XJR2KJ	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
XY7AJ3	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
YHC4PY	PowerPlex® Y 23								
3sp									
YMRCFJ	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZLQ2V2	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZQKT7J	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZRVURH	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11
ZYFXYK	Yfiler™ Plus								
3sp	37,38	14	13,16	13	30	23	10	11	12
	14	9	11	21	26	16	17.2	11	25
	40	11		18	17	22	21		11

TABLE 2

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										
223PQG	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
292CHG	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
34L94J	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
42ATBH	PowerPlex® Y 23									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17		27	
		11	13	18	18		21	13	11	
44FFMM	Yfiler™									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17			
							21		11	
4URHWG	Yfiler™									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17			
							21		11	
4WW7FD	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
4		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
6LW2M4	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
4		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
7PRTQU	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
4		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	
8ACACY	Yfiler™									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17			
							21		11	
8GBW2D	Yfiler™									
		14	15,18	13	30	23	10	15	14	
4		14	9	12	19	16	17			
							21		11	
8GWARC	Yfiler™ Plus									
	36,37	14	15,18	13	30	23	10	15	14	
4		14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11	

TABLE 2

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										
8L7Q2Z	Yfiler™		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
8PNL7D	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
94G34B	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
9AW98C	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
9UXLFA	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
A98NEA	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
AAPHDY	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
ADNYLL	Yfiler™ Plus	36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
AFRPW9	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
AGM8YA	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
B6PTAW	Yfiler™		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
B8GMB8	PowerPlex® Y 23		14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11

TABLE 2

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

BD6DTW		Yfiler™							
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		
							21		11
BV4P3W		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
CET9TA		Yfiler™							
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		
							21		11
CFPJQX		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
CKJH49		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
CZAKJC		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
CZN67U		Yfiler™							
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		
							21		11
DLBQT3		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
DNQQJ3		PowerPlex® Y 23							
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
DUKF9M		Yfiler™ Plus							
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
DX2T64		PowerPlex® Y 23							
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
ECH3B7									
4		14	15,18	13	30	23	10	15	14
	14	9	12	19		16	17		27
		11	13	18	18		21	13	11

TABLE 2

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										
EKADML	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
EN84M7	Yfiler™									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
EQCPCR	Yfiler™									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
EUCZ9R	Yfiler™									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
EVVKH6	PowerPlex® Y 23									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
EYUVD6	PowerPlex® Y 23									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
F83W84	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
FA8KK9	PowerPlex® Y 23									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
FFW326	Yfiler™									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17			
							21		11	
FQRBK9	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	
G34VM2	PowerPlex® Y 23									
4		14	15,18	13	30	23	10	15	14	
	14	9	12	19		16	17		27	
		11	13	18	18		21	13	11	
G4CAQ2	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11		18	18	23	21		11	

TABLE 2

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										
GEVPT4		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
GHWRKP		Yfiler™								
			14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
GY7GXQ		Yfiler™								
			14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
GYGJJP		Yfiler™								
			14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
H4TQJ9		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
HAFG3H		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
HZ77D6		PowerPlex® Y 23								
			14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		27
			11	13	18	18		21	13	11
JMYHZ2		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
KJXUWY		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
KWJ8EZ		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11
LBJBDY		Yfiler™								
			14	15,18	13	30	23	10	15	14
4		14	9	12	19		16	17		
								21		11
LFTNVX		Yfiler™ Plus								
		36,37	14	15,18	13	30	23	10	15	14
4		14	9	12	19	30	16	17	11	27
		38	11		18	18	23	21		11

TABLE 2

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										
LJVLAW	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			
LYNWD3	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			
MEX6TW	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11	18	18	23	21		11		
MYXKRY	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11	18	18	23	21		11		
NC7NWU	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			
NNGYKJ	Yfiler™									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17				
						21		11		
NTUWUR	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11	18	18	23	21		11		
P62B8A	Yfiler™ Plus									
4	36,37	14	15,18	13	30	23	10	15	14	
	14	9	12	19	30	16	17	11	27	
	38	11	18	18	23	21		11		
PDTKXT	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			
PP6WA2	Yfiler™									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17				
						21		11		
Q4NY7K	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			
Q9DEVR	PowerPlex® Y 23									
4	14	15,18	13	30	23	10	15	14		
	14	9	12	19	16	17		27		
	11	13	18	18	21	13	11			

TABLE 2

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

QEK39T	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
QHHNZV	PowerPlex® Y 23								
4	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
RZJPDU	Yfiler™								
4	14	9	12	19		16	17		27
							21		11
TJPKKQ	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
U7JN2N	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
U8UTED	Yfiler™								
4	14	9	12	19		16	17		27
							21		11
UMJ2AP	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
VDXWZ6	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
VGEE2M	PowerPlex® Y 23								
4	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
VWPZJQ	PowerPlex® Y 23								
4	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
VZP6G6	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
W4JK6J	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11

TABLE 2

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

WEMLZC	Yfiler™								
		14	15,18	13	30	23	10	15	14
4	14	9	12	19		16	17		
							21		11
WMGQTD	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
WT3NHZ	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
WVCTVN	Yfiler™								
		14	15,18	13	30	23	10	15	14
4	14	9	12	19		16	17		
							21		11
X2ULK1	Yfiler™								
		14	15,18	13	30	23	10	15	14
4	14	9	12	19		16	17		
							21		11
XBWYH9	Yfiler™								
		14	15,18	13	30	23	10	15	14
4	14	9	12	19		16	17		
							21		11
XFFTML	PowerPlex® Y 23								
		14	15,18	13	30	23	10	15	14
4	14	9	12	19		16	17		27
		11	13	18	18		21	13	11
XJR2KJ	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
XY7AJ3	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
YMRCFJ	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
ZQKT7J	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11
ZRVURH	Yfiler™ Plus								
	36,37	14	15,18	13	30	23	10	15	14
4	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11

TABLE 2

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

ZYFXK	Yfiler™ Plus								
4	36,37	14	15,18	13	30	23	10	15	14
	14	9	12	19	30	16	17	11	27
	38	11		18	18	23	21		11

Additional DNA Results

TABLE 3

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

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

DNA Interpretations

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

TABLE 4

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
223PQG	Yes	No	No	Yes	7AH86J	No Interpretations Reported, DNA Analyzed for Database purposes only.			
292CHG	Yes	No	No	Yes	7PRTQU	Yes	No	No	Yes
2DTQZV	No Interp	No Interp	No Interp	No Interp	7PUKMG	Yes	No	No	Yes
2DUHWH	Yes	No	No	Yes	7X2G6T	Yes	No	No	Yes
2FHVXA	Yes	No	Inc	Yes	8ACACY	Yes	No	No	Yes
2L6KFX	Yes	No	No	Yes	8FEL4P	No Interp	No Interp	No Interp	No Interp
34L94J	Yes	No	No	Yes	8GBW2D	Yes	No	No	Yes
3H27AK	Yes	No	No	Yes	8GWARC	Yes	No	No	Yes
3MDCM6	Yes	No	No	Yes	8L7Q2Z	Yes	No	No	Yes
3MXXFV	Yes	No	No	Yes	8PNL7D	Yes	No	No	Yes
42ATBH	Yes	No	No	Yes	8XHVC3	Yes	No	No	Yes
43NEKK	Yes	No	No	Yes	8ZLN72	Yes	No	No	Yes
44FFMM	Yes	No	No	Yes	94G34B	Yes	No	No	Yes
4URHWG	Yes	No	No	Yes	9A8ATB	No Interpretations Reported, DNA Analyzed for Database purposes only.			
4VPTU7	Yes	No	No	Yes	9AW98C	Yes	No	No	Yes
4WW7FD	Yes	No	No	Yes	9UXLFA	Yes	No	No	Yes
62R2WR	No Interp	No Interp	No Interp	No Interp	A98NEA	Yes	No	No	Yes
6CPX2E	No Interpretations Reported, DNA Analyzed for Database purposes only.				AAPHDY	Yes	No	No	Yes
6LW2M4	Yes	No	No	Yes	ADNYLL	Yes	No	No	Yes
79LTHQ	Yes	No	No	Yes	AFRPW9	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
AGM8YA	Yes	No	No	Yes	DNQQJ3	Yes	No	No	Yes
AKLN6C	Yes	No	No	Yes	DUKF9M	Yes	No	No	Yes
AQA9CX	Yes	No	No	Yes	DX2T64	Yes	No	No	Yes
ATE23Q	Yes	No	No	Yes	E3U8A6	No Interp	No Interp	No Interp	No Interp
B6PTAW	Yes	No	No	Yes	E4L7M3	Yes	No	No	Yes
B8GMB8	Yes	No	No	Yes	ECH3B7	Yes	No	No	Yes
BAHVAP	Yes	No	No	Yes	EFXF8M	No Interpretations Reported, DNA Analyzed for Database purposes only.			
BAKM6C	Yes	No	No	Yes	EKADML	Yes	No	No	Yes
BCQ9VX	Yes	No	No	Yes	EN84M7	Yes	No	No	Yes
BD6DTW	Yes	No	No	Yes	EQCPCR	Yes	No	No	Yes
BQ4JJK	No Interp	No Interp	No Interp	No Interp	EUCZ9R	Yes	No	No	Yes
BV4P3W	Yes	No	No	Yes	EVVKH6	Yes	No	No	Yes
CET9TA	Yes	No	No	Yes	EYUVD6	Yes	No	No	Yes
CFPJQX	Yes	No	No	Yes	F43LAJ	Yes	No	No	Yes
CKJH49	Yes	No	No	Yes	F83W84	Yes	No	No	Yes
CRFFQB	Yes	No	No	Yes	FA8KK9	Yes	No	No	Yes
CZAKJC	Yes	No	No	Yes	FFW326	Yes	No	No	Yes
CZN67U	Yes	No	No	Yes	FQRBK9	Yes	No	No	Yes
D92HJJ	No Interp	No Interp	No Interp	No Interp	FZHRF4				
DKU23V	Yes	No	No	Yes	G34VM2	Yes	No	No	Yes
DLBQT3	Yes	No	No	Yes	G4CAQ2	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
G7ZLRR	Yes	No	No	Yes	KMTNRE	No Interpretations Reported, DNA Analyzed for Database purposes only.			
GBUL2G	Yes	No	No	Yes	KWJ8EZ	Yes	No	No	Yes
GCP44H	Yes	No	No	Yes	L7NFDD	Yes	No	No	Yes
GEVPT4	Yes	No	No	Yes	L827KV	No Interp	No Interp	No Interp	No Interp
GHWRKP	Yes	No	No	Yes	LBGHGC	Yes	No	No	Yes
GY7GXQ	Yes	No	No	Yes	LBJBDY	Yes	No	No	Yes
GYGJJP	Yes	No	No	Yes	LEHL7E	No Interpretations Reported, DNA Analyzed for Database purposes only.			
H4TQJ9	Yes	No	No	Yes	LFTNVX	Yes	No	No	Yes
HAFG3H	Yes	No	No	Yes	LJVLAW	Yes	No	No	Yes
HEC3W7	No Interpretations Reported, DNA Analyzed for Database purposes only.				LP3XKC	Yes	No	No	Yes
HF9FJY	Yes	No	No	Yes	LPYB86	No Interpretations Reported, DNA Analyzed for Database purposes only.			
HJ3C76	Yes	No	No	Yes	LT29FC	No Interp	No Interp	No Interp	No Interp
HJ729G	Yes	No	No	Yes	LTWRHD	Yes	No	No	Yes
HKE8NQ	Yes	No	No	Yes	LYNWD3	Yes	No	No	Yes
HWU2ZJ	Yes	No	No	Yes	M8X39W	Yes	No	No	Yes
HX8NHX	Yes	No	No	Yes	MEEJWZ	Yes	No	No	Yes
HZ77D6	Yes	No	No	Yes	MEX6TW	Yes	No	No	Yes
JMYHZ2	Yes	No	No	Yes	MHEURZ	Yes	No	No	Yes
JUHL84	Yes	No	No	Yes	MWVP7B	Yes	No	No	Yes
JUHNX8	Yes	No	No	Yes	MYXKRY	Yes	No	No	Yes
KJXUWY	Yes	No	No	Yes	N3F6A9	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
NC7NWU	Yes	No	No	Yes	RK7FRR	Yes	No	No	Yes
NEBDUW	Yes	No	No	Yes	RN6QMR	Yes	No	No	Yes
NKW9VZ	No Interpretations Reported, DNA Analyzed for Database purposes only.				RZJPDU	Yes	No	No	Yes
NNGYKJ	Yes	No	No	Yes	TEF8Z7	Yes	No	No	Yes
NTUWUR	Yes	No	No	Yes	TFPCDV	Yes	No	No	Yes
P62B8A	Yes	No	No	Yes	TJNRN4	No Interp	No Interp	No Interp	No Interp
PAV66B	Yes	No	No	Yes	TJPKKQ	Yes	No	No	Yes
PDTKXT	Yes	No	No	Yes	TNHLL6	Yes	No	No	Yes
PMGK8B	No Interpretations Reported, DNA Analyzed for Database purposes only.				TWEJ98	Yes	No	No	Yes
PMHD4X	Yes	No	No	Yes	U7JN2N	Yes	No	No	Yes
PP6WA2	Yes	No	No	Yes	U8UTED	Yes	No	No	Yes
PT63N8	No Interp	No Interp	No Interp	No Interp	UM78R4	Yes	No	No	Yes
Q3RLJR	Yes	No	No	Yes	UMJ2AP	Yes	No	No	Yes
Q4NY7K	Yes	No	No	Yes	UQ7DBF	Yes	No	No	Yes
Q6FT9V	Yes	No	No	Yes	UWAG2E	Yes	No	No	Yes
Q9DEVR	Yes	No	No	Yes	V47GDL	Yes	No	No	Yes
QEK39T	Yes	No	No	Yes	V4R86L	Yes	No	No	Yes
QHHNZV	Yes	No	No	Yes	VCJR4R	Yes	No	No	Yes
QRTQLW	Yes	No	No	Yes	VDXWZ6	Yes	No	No	Yes
R7KZNT	Yes	No	No	Yes	VGEE2M	Yes	No	No	Yes
R9WKTW	Yes	No	No	Yes	VNRBZ2	Yes	No	No	Yes

TABLE 4

WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>		WebCode	<u>Victim (Item 1)</u>		<u>Suspect (Item 2)</u>	
	Item 3	Item 4	Item 3	Item 4		Item 3	Item 4	Item 3	Item 4
VWPZJQ	Yes	No	No	Yes	YMRCFJ	Yes	No	No	Yes
VZP6G6	Yes	No	No	Yes	YRKDHY	Yes	No	No	Yes
W4JK6J	Yes	No	No	Yes	ZDYFU9	Yes	No	No	Yes
WCYCNP	Yes	No	No	Yes	ZF7ZFN	No Interpretations Reported, DNA Analyzed for Database purposes only.			
WEMLZC	Yes	No	No	Yes	ZLQ2V2	Yes	No	No	Yes
WKTGGQ	Yes	No	No	Yes	ZQKT7J	Yes	No	No	Yes
WMGQTD	Yes	No	No	Yes	ZRVURH	Yes	No	No	Yes
WRNJJ3	Yes	No	No	Yes	ZYFXYK	Yes	No	No	Yes
WT3NHZ	Yes	No	No	Yes					
WVCTVN	Yes	No	No	Yes					
WVPMBN	Yes	No	No	Yes					
X2ULKT	Yes	No	No	Yes					
X8LNUK	No Interp	No Interp	No Interp	No Interp					
XBWYH9	Yes	No	No	Yes					
XD8LE2	Yes	No	No	Yes					
XFFTML	Yes	No	No	Yes					
XJR2KJ	Yes	No	No	Yes					
XY7AJ3	Yes	No	No	Yes					
Y4V42L	Yes	No	No	Yes					
YHC4PY	Yes	No	No	Yes					
YHUTCZ	Yes	No	No	Yes					

DNA Interpretation				
Response Summary		Participants reporting DNA results: 195		
Based on results obtained from DNA analysis, could the Victim (Item 1) and/or the Suspect (Item 2) be a contributor to the questioned stains (Items 3 & 4)?				
	Victim (Item 1)		Suspect (Item 2)	
	<u>Item 3</u>	<u>Item 4</u>	<u>Item 3</u>	<u>Item 4</u>
Yes	172	0	0	172
No	0	172	171	0
Inc	0	0	1	0
No Interpretation	11	11	11	11
No Response	1	1	1	1

Participants analyzing DNA for database purposes only: 11

Additional Comments

TABLE 5

WebCode	Additional Comments
223PQG	NR = no results
292CHG	NR = No Result
2DTQZV	Test participant functions as a Y-screen analyst and does not perform interpretations.
3H27AK	Not authorized in Y-STRs.
3MXXFV	STRmix analysis was conducted on this test. A differential separation was performed on item 4 (Q1.4.1) due to laboratory flow. Sample Q1.4.1s stopped at quant due to other male positive samples selected for further DNA testing.
43NEKK	Y-STR not performed. Not authorized in YSTRs.
4URHWG	1. In-situ extraction method was used to extract DNA from Item 1 and Item 2 while Item 3 and Item 4 were extracted using Chelex extraction method. 2. Item 3 and Item 4 were quantitated using Quantifiler Human DNA Quantifiler Kit on the Applied Biosystem Real Time Polymerase Chain Reaction (PCR) 7500 System. 3. Item 1 and Item 2 were amplified using GlobalFiler Express PCR Amplification Kit on Proflex 3x32-well PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on Proflex 3x32-well PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 using Proflex 3x32-well PCR System while Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 3 and Item 4 using AmpFLSTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. 4. Electrophoresis was carried out on the Applied Biosystems 3500xl Genetic Analyser with GeneMapper ID-X Software for Item 1, Item 2, Item 3 and Item 4. 5. Reagent blank, positive control and negative control were carried out throughout the analysis and all gave the intended results. 6. NM = Non-male profile.
62R2WR	Test participant functions as Y-screen analyst and does not perform interpretations.
6CPX2E	Direct-amp performed on the known samples, followed v1.3 of the "PowerPlex Fusion Direct-Amp & Detect on 3500" protocol. ND = None Detected
7AH86J	Authorized to report Rapid DNA (STRs). Not authorized in reporting Y-STRs or evidence samples. Items 3 and 4 not processed.
7PUKMG	Authorized in STRs. Not authorized in YSTRs.
8FEL4P	Test participant functions as a Y-screen technician and does not perform interpretations.
8GBW2D	Extraction: - Item 1 and Item 2 were extracted using the in-situ extraction method. - Item 3 was extracted using the differential extraction method and Item 4 was extracted using the Automate Express Forensic DNA Extraction System with Prepfilr Express Kit method. Quantification: Item 3 and Item 4 were quantified using the Quantifiler Human DNA Quantification kit on the Applied Biosystem QuantStudio 5 Real-Time PCR System. Amplification: Item 1 and Item 2 were amplified using the Globalfiler Express PCR Amplification kit on the 9700 GeneAmp PCR System while Item 3 and Item 4 were amplified using the Globalfiler PCR Amplification kit on the 9700 GeneAmp PCR System. Y-STR (Y-Short Tandem Repeat) amplification was carried out on Item 2 and Item 3 using the AmpFISTR Y-filer PCR Amplification kit on the 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems 3500xL Genetic Analyzer with GeneMapper ID-X Software for Item 1 and Item 2 (Globalfiler Express) and Item 3 and Item 4 (Globalfiler). Electrophoresis for Y-Filer was carried out on the Applied Biosystems 3500xl Genetic Analyzer with GeneMapper ID-X Software for Item 2, Item 3 and Item 4. Quality Control: Reagent blank, positive control and negative control were carried out throughout the analysis and all gave intended results. Abbreviation: NM : Non-male Profile.
8GWARC	NR = no results

TABLE 5

WebCode	Additional Comments
8PNL7D	inc = inconclusive. ND = not detected. Hemtrac run on Items 3A and 4A. Direct amp conducted for Items 1A and 2A. Sperm search conducted on Item 3A.A-Sp. CPI calculated for inclusion of victim on Item 3A.A-Ep. RMP for Items 4A and 2A. Y stat calculated with YHRD database for 4A and 2A.
8XHVC3	A foreign male DNA result was obtained. The above interpretation is based on the currently available results. Item 3 and 4 were submitted more than once and the results of the other samples is still outstanding. The interpretation is correct if we assume that the result of the pending samples will be the same as the the results already obtained, otherwise the analysis of case is still in progress.
94G34B	NR=No results. STRmix was used for analysis on this test but the data reported out was analyzed with Genemapper-IDX.
9A8ATB	NR= no results. No comparisons performed.
9AW98C	Testing for the presence of human blood is performed with the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates.
9UXLFA	"ND" = "No Data". The extract from the stains on Victim's underwear (Item 3A) and Victim's shirt (Item 4A) were tested for the presence of human blood using the ABACard HemaTrace test. Human blood was detected on Items 3A and 4A. • NOTE: the HemaTrace test is known to cross-react with some species of the Mustelidae family and with higher primates.
A98NEA	ND = no data
AFRPW9	NR = No Result
AGM8YA	NR = no results. item 3e: additional 31.2 peak observed at SE33 which cannot be differentiated from artifact.
AKLN6C	Y-STR not performed. Not authorized in YSTRs.
ATE23Q	Y-Screening (male DNA) performed on items 3 and 4. See results below. Item 3: Positive. Item 4: Positive.
B8GMB8	NR =No result
BAKM6C	Authorized in STR only. Not authorized in Y-STR.
BQ4JJK	Test participant functions as Y-screen analyst and does not perform interpretations.
CET9TA	Extraction: Item 3 and Item 4 were extracted using the Chelex extraction method. Quantification: Item 3 and Item 4 were quantified using the Applied Biosystems™ Quantifiler™ Human DNA Quantification Kit on the Applied Biosystems™ QuantStudio™ 5 Real-Time PCR System. Amplification: Using the in-situ method, Item 1 and Item 2 were amplified using the Applied Biosystems™ GlobalFiler™ Express PCR Amplification Kit on the Applied Biosystems™ ProFlex™ 96-well PCR System. Item 2 was also amplified using the Applied Biosystems™ AmpFLSTR™ Yfiler™ PCR Amplification Kit on the Applied Biosystems™ GeneAmp™ PCR System 9700. Item 3 and Item 4 were amplified using the Applied Biosystems™ GlobalFiler™ and AmpFLSTR™ Yfiler™ PCR Amplification Kits on the Applied Biosystems™ GeneAmp™ PCR System 9700. Electrophoresis: Electrophoresis was carried out on the Applied Biosystems™ 3500xL Genetic Analyzer and the data were analyzed with Applied Biosystems™ GeneMapper™ ID-X Software v1.5. Quality Control: Reagent Blank, Positive Control and Negative Control were included throughout the analysis and all gave intended results. Remark: 'NM' denotes non-male profile.
CKJH49	NR indicates No Results at a locus. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
CRFFQB	Y-STR not performed. Not authorized in YSTRs.
D92HJJ	Test participant functions as Y-screen technician and does not perform interpretations.
E3U8A6	NR = No Results. No comparisons performed.

TABLE 5

WebCode	Additional Comments
E4L7M3	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
ECH3B7	The DNA profile reported for the sperm fraction of Item 3 was generated through a differential extraction. The epithelial fraction generated through the differential extraction was complete but below our lab's threshold to use for calculating CPI. The reported epithelial fraction DNA profile (which was the same alleles obtained from the differential extraction) was generated through a straight extract of an additional cutting of Item 3. Sperm cells were identified on Item 3 through microscopic examination. Human blood was confirmed on Items 3 and 4 through use of the ABACard HemaTrace test kit. This kit is known to cross-react with some species of the Mustelidae family and with higher primates. NT = Not tested. ND = No data.
EN84M7	Extraction: Item 1 and Item 2 were extracted using in-situ method. Item 3 and item 4 were extracted using QIAAsymphony DNA Investigator Kit via QIAAsymphony SP platform. Quantification: Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. Item 2, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 2, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
EVVKH6	NR = No result
EYUVD6	NR = No results
F43LAJ	Alleles below stochastic threshold at D21S11 and D5S818 so partial results reported.
F83W84	NR = No Results; STRmix analysis was conducted on this test; Data reported out in this test is from analysis using GeneMapper ID-X
FFW326	Extraction: Item 1 and Item 2 were extracted using in situ. Item 3 and Item 4 were extracted using DNA QIAAsymphony DNA Investigator kit on QIAAsymphony 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 Kit on Proflex PCR System. Item 3 and Item 4 were amplified using GlobalFiler PCR Amplification Kit on ABI GeneAmp PCR System 9700. Item 2, Item 3 and Item 4 were amplified using AmpFLSTR Y-filer PCR Amplification Kit on ABI GeneAmp PCR System 9700. Electrophoresis: Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 1, Item 2, Item 3 and Item 4. Electrophoresis was carried out on ABI 3500xL Genetic Analyzer for Item 2, Item 3 and Item 4 (Y-Filer Kit). Quality Control: Reagent Blank, Positive Control and Negative Control were carried out during analysis, and all gave intended results. NM: Non-male allele.
FZHRF4	NR = No Results. No comparisons performed.
G34VM2	NR = no results
G4CAQ2	CTS allele tables added by automatic upload. NR = no results.
GBUL2G	Item 4 was extracted via differential separation, per laboratory protocol. DNA was detected in the sperm fraction; however, no further testing was done on the sample because the other fraction was more probative. The report will reflect the non-sperm fraction (e-fraction) only. STRmix analysis was conducted on this case.
GCP44H	STRmix analysis was conducted on this test.
GEVPT4	NR = No Results. STRmix run on Item 3F (F = e). All reported data from GeneMapper ID-X analysis.

TABLE 5

WebCode	Additional Comments
HEC3W7	Casework reference analyst; not authorized to process evidence items. Items 3 and 4 not processed. Not authorized to perform Y-STR testing.
HF9FJY	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
HJ3C76	Not authorized in YSTRs.
HWU2ZJ	1) Sample ITEM 2 at locus DYS481 – There is a minor allele 28, which is inconsistent with being a contributor to the overall profile. The peak height ratio of this allele, which is at N+1 stutter position, is 8.27%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter. 2) Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification.
JMYHZ2	NR=no results, STRmix analysis was conducted on this test, Data reported out in this test is from analysis using Genemapper ID-X.
JUHL84	Authorized in STRs. Not authorized in YSTRs.
KJXUWY	STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GMID-X. NR = no results.
L827KV	PowerPlex Fusion 6C sample processing was conducted on Item 3 and Item 4. Autosomal analysis and interpretation were not conducted. Therefore, no comparison to evidence was made. A differential extraction was performed on Item 3. Modified Rapid DNA Analysis was on conducted on Item 2 with RapidHIT ID. No comparison to evidence was made. NID = No Interpretable Data
LBGHGC	STRmix analysis was conducted on this test.
LBJBDY	Extraction: -Item 1 and Item 2 were extracted using in-situ method. -Item 2 were also extracted using chelex method for YSTR analysis. -Item 3 and Item 4 were extracted using QIAasymphony DNA Investigator Kit via QIAasymphony SP platform. Quantitation: -Item 2 (from chelex extraction), Item 3 and Item 4 were quantified using Quantifiler Trio Kit via QuantStudio5 System. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express PCR amplification kit on ProFlex™ PCR System. -Item 3 and Item 4 were amplified using Globalfiler Kit on 9700 GeneAmp PCR System. -Item 2, Item 3 and Item 4 were amplified using AMPFLSTR Y-Filer Kit on 9700 GeneAmp PCR System. Electrophoresis: -Electrophoresis for Globalfiler Express PCR products of Item 1 and Item 2, Globalfiler PCR products of Item 3 and Item 4 and YFiler PCR products of Item 2, Item 3 and Item 4 were carried out using Genetic Analyzer 3500xl. Quality Control: -Reagent blank, Positive Control and Negative Control were carried out through analysis and all gave intended results. NM- Non-male profile.
LFTNVX	NR = No results. Data reported out in this test is from analysis using GeneMapper ID-X. STRmix analysis was conducted on this test.
LJVLAW	ND = no data. INC = allele below stochastic, allele calls at locus could not be determined. Hematrace results = A portion of the extract from Items 3 and 4 were tested for the presence of human blood using the HemaTrace test. Human blood was detected on Items 3 and 4.
LP3XKC	STRmix analysis was conducted on this test.
LPYB86	Databasing only; Items 3 and 4 not processed since they are evidence samples. Not authorized to analyze, report, or interpret evidence samples. Not authorized in Serology or Mito.
LT29FC	Test participant functions as Y-screen analyst and does not perform interpretations.
LTWRHD	STRmix analysis was conducted on this test.
MEEJWZ	Y-STR not performed. Not authorized in Y-STRs. Authorized in STRmix but not assigned in this PT test.
MEX6TW	Note: 1) NR=No Results. 2) Item 3e=Item 3F and Item 3sp=Item 3M. 3) Interpretation was based on the data from GeneMapper ID-X. 4) STRmix analysis was performed on Item 3e (i.e Item 3F).

TABLE 5

WebCode	Additional Comments
MHEURZ	Y-STR not performed. Not authorized in Y-STRs.
MWVP7B	STRmix analysis was conducted on this test. Item 4 sp was stopped at quant.
NC7NWU	NR=No Results
NKW9VZ	Casework reference analyst; not authorized to report conclusions. Not authorized in YSTRs.
PAV66B	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 2 at locus DYS481 - There is a minor allele 28, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of this allele, which is at N+1 stutter position, is 10.05%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter.
PDTKXT	NR = No Results
PMHD4X	Authorized in STRs. Not authorized in Y-STRs.
PT63N8	Test participant functions as a Y-screen analyst and does not perform interpretations.
Q4NY7K	Item 1 (victim) matches Item 3 (underwear) while Item 2 (suspect) does not match Item 3 (underwear). However, Item 2 (suspect) matches Item 4 (shirt).
QEK39T	NR=No Results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.
QRTQLW	Authorized in STRs. Not authorized in Y-STRs.
R9WKTW	Authorized in STRs. Not authorized in YSTRs.
RZJPDU	Extraction: -Item 1 and Item 2 were extracted using the in situ method. -Item 3 was extracted using the Chelex differential extraction method. -Item 4 was extracted using the Automate Express DNA Extraction System with the PrepFiler Express Kit. Quantification: -Item 3(sp), Item 3(epi), and Item 4 were quantified using Applied Biosystem Quantifiler Trio DNA Quantification kit on QuantStudio 5 Real-Time PCR. Amplification: -Item 1 and Item 2 were amplified using the GlobalFiler Express Amplification kit. -Item 3(sp), Item 3(epi) and Item 4 were amplified using the GlobalFiler Amplification kit. -Item 2, Item 3(sp) and Item 3(epi) and Item 4 were amplified using the AmpFLSTR™ Yfiler™ PCR Amplification Kit. -All amplifications were performed on the ProFlex PCR System. Electrophoresis: -All amplified products of GlobalFiler and Y-Filer were run on the Genetic Analyzer 3500. Quality Control: All reagent blanks, positive controls, and negative controls were carried out throughout the analysis, and all gave the intended results. Remarks:- NM: Non-male profile.
TFPCDV	Authorized in STRs. Not authorized in YSTRs.
TJNRN4	Test participant functions as a Y-screen technician and does not perform interpretations.
TJPKKQ	NR=no results. STRmix was conducted on this test. Data reported out in this test is from analysis using GeneMapper ID-X.
TNHLL6	STRmix analysis was conducted on this test
TWEJ98	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 2 at locus DYS481 – There is a minor allele 28, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of allele 28 to allele 27 is 11.97%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter.
UM78R4	STRmix analysis was conducted on this test.
UMJ2AP	NR=no results. STRmix analysis was conducted on item 3e. Data reported out is from analysis using GeneMapper ID-X.

TABLE 5

WebCode	Additional Comments
UQ7DBF	This laboratory do not do YSTR analysis because is not within the scope of accreditation.
V47GDL	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Y-STR Results: Sample item 2 at locus DYS481 – There is a minor allele 28, which is inconsistent with being a contributor to the overall profile. The average peak height ratio of this allele, which is at N+1 stutter position, is 11.92%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. This allele is likely to be an elevated stutter.
V4R86L	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
VCJR4R	Authorized in STRs only. Not authorized in YSTRs.
VGEE2M	NR = no result
W4JK6J	The answers in this CTS report were reported using probabilistic genotyping. All alleles deemed possible for any contributor to the mixture are being reported. With probabilistic genotyping stutter alleles are considered as either allelic or stutter during the deconvolution of samples. This sometimes results in true stutter peaks being reported as possible alleles. In addition, probabilistic genotyping also considers the potential for allele drop-out. Possible missing alleles are reported as "Q" alleles in the results.
WCYCNP	Only STR testing performed. Not authorized to perform YSTR.
WKTGGQ	Authorized in STRs. Not authorized in YSTRs.
WVCTVN	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 platform. Quantification: -Item 3 and Item 4 were quantified using Quantifiler Trio DNA kit on RT-PCR QuantStudio 5 System. Amplification: -Item 1 and Item 2 were amplified using GlobalFiler Express kit on Proflex PCR System. -Item 3 and Item 4 were amplified using GlobalFiler kit on 9700 GeneAmp PCR System. -Item 2, Item 3 and Item 4 were amplified using AmFISTR Y-Filer kit on 9700 GeneAmp PCR System. Electrophoresis: Electrophoresis for Item 1 and Item 2 (GlobalFiler Express), Item 3 and Item 4 (Globalfiler) and Item 2, Item 3 and Item 4 (Y-Filer) were carried out on Genetic Analyzer 3500xL. Quality Control: Reagent blank, positive control and negative control were incorporated throughout analysis and all gave intended results. NM : non-male profile.
WVPMBN	Authorized in STRs. Not authorized in Y-STRs.
X8LNUK	Differential extraction conducted on Item 3 based on case scenario and serology provided. General extraction conducted on item 4 based on case scenario and serology provided. PowerPlex Fusion 6C sample processing was conducted on item 1, item 3, and item 4. GlobalFiler Express processing was conducted on item 2. Autosomal analysis and interpretation were not conducted on item 3 and item 4. No comparisons to evidence were made. NID= No Interpretable Data
XFFTML	NR = No Result. Item 1-4.1-Y: A potential allele (28) that cannot be differentiated from an artifact was observed at locus DYS481.
YHUTCZ	STRmix analysis was conducted on this test.
ZF7ZFN	Casework reference analyst; not authorized to report conclusions. Y-STR not performed due to analyst not being authorized for Y-STRs. Items 3 and 4 not processed.
ZLQ2V2	Results are entered only for GlobalFiler loci as casework reporting is on GlobalFiler loci. PowerPlex Fusion 6C is used only for allele verification. Item 2 - At locus DYS481, there is a minor allele 28, which is inconsistent with being a contributor to the overall profile. The peak height ratio of allele 28 to allele 27 is 11.38%, exceeding the Laboratory's stutter threshold for this locus of 6.37%. The minor allele 28 is likely to be an elevated stutter.
ZQKT7J	NR= no results at locus. CTS tables were added by automatic upload.

TABLE 5

WebCode	Additional Comments
ZRVURH	NR = no results
ZYFXYK	NR = no results. STRmix analysis was conducted on this test. The data reported out in this test is from analysis using GeneMapper ID-X.

-End of Report-
(Appendix may follow)

Test No. 25-5802: DNA-Semen

DATA MUST BE SUBMITTED BY **May 05, 2025, 11:59 p.m. EDT** TO BE INCLUDED IN THE REPORT

Participant Code: U1234A

WebCode: BHZYP6

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

Scenario:

Police are investigating a sexual assault involving a female victim and male suspect. The victim reported to police that the suspect forced her to have vaginal sex. The victim hit the suspect in an attempt to escape and is not sure if the suspect ejaculated. The suspect has been apprehended by police. Police are submitting to your laboratory a stain from the underwear (Item 3) and a stain from the shirt (Item 4) the victim was wearing at the time of the assault. Screening tests have been performed on both samples with the following results: Item 3 (victim's underwear) is positive for blood and semen, and Item 4 (victim's shirt) is positive for blood. Also collected were known blood samples from the female victim (Item 1) and the male suspect (Item 2).

Items Submitted (Sample Pack S2):

Item 1: Known blood from the female victim

Item 2: Known blood from the male suspect

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

Item 4: Questioned blood stain from victim's shirt (yellow)

Part I: DNA Results for Known Item 1

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

STR Amplification Kit(s) Used:

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

☐ Identifiler® ☐ GlobalFiler™ ☐ Investigator® 24plex

☐ PowerPlex® Other

Report the Probabilistic Genotyping Software Used (if applicable):

Alleles below are sorted in Default order.

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

Part I (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 II: 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 III: ADDITIONAL COMMENTS

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

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

RELEASE OF DATA TO ACCREDITATION BODIES

The Accreditation Release is accessed by pressing the "Continue to Final Submission" button online and can be completed at any time prior to submission to CTS.

CTS submits external proficiency test data directly to ANAB and/or A2LA. Please select one of the following statements to ensure your data is handled appropriately.

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

Have the laboratory's designated individual complete the following steps
only if your laboratory is accredited in this testing/calibration discipline
by one or more of the following Accreditation Bodies.

Step 1: Provide the applicable Accreditation Certificate Number(s) for your laboratory.

ANAB Certificate No.

A2LA Certificate No.

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

Authorized Contact Person and Title

Laboratory Name

Location (City/State)